

Revised

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Jackill's STAR FLEET REFERENCE MANUAL

Ships of the Fleet Volume II



2

Written and Illustrated by
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Dedication

To my parents
who have always been there for me

Intro Info

Welcome reader to the first edition of Jackill's Star Fleet Reference Manuals. The descriptions of these futuristic vessels are a critique of their abilities and are related in contemporary terms as accurately as possible. The technology described here can be compared to existing technologies in other books, on television and in the movies. Hopefully, the information herein will provide a base of knowledge allowing one to understand the advancements required to achieve this level of technology. The book is presented in a futuristic format for reading enjoyment and should not be confused with any material from that time period.

The information contained in this manual is as accurate as allowed due to Star Fleet's ongoing program of misinformation intended to confound and confuse the intelligence efforts of potentially threatening forces. For high-level accuracy, consult Star Fleet archives.

Although not all statistics are given, all descriptions, drawings and statistics are intended to familiarize the reader with these vessels. Numerical statistics, such as weight and length, are given with the highest degree of accuracy available at the time of publication.

Read on fellow traveler. I hope that the information provided will increase your understanding of Life, the Universe and Everything.

Jackill

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INTRODUCTION

Statistics

This is an overview of what some of the statistical information you will run across in this reference manual mean.



Acceleration Power: Is the value that a warp number is raised to to determine its speed as a multiple of light.

Acceleration Rate: Lists the various times it takes to accelerate the vessel through sublight speeds.

Acceleration Times: Lists the time it takes to accelerate from one warp value to the next. It should be noted that although an acceleration time may be given, the craft may not be designed to reach that speed without disintegration.

Beds: Lists the number of beds in the medical facility.

Bottom Profile: This profile is used for familiarization of the bottom view of the vessel.

Breakdown Rate: Is the amount of power in watts that will eventually break down the shields if applied constantly.

Bridge: Lists the number of detention cells.

Cargo Specification: Lists the number of standard cargo units and the cargo capacity of all the containers.

Category: Lists the general classification of the ship such as frigate, destroyer, freighter, etc.

Class Emblem: Each ship class is given a distinct logo design to represent the entire class.

Classification: Lists the exact designation of the craft, such as *auxiliary frigate* or *attack frigate*.

Class: Is the name assigned to distinct vessel designs to distinguish one design from another. An example being one *heavy cruiser* from another *heavy cruiser* design.

Cloaking Device: Lists if the vessel is equipped with a cloaking shield.

Computers: Lists the number and type of computers onboard.

Cross Section: This cut away view is used for general familiarization of the interior arrangement of the vessel.

Cross Section Area: Lists the optimum cross section area that the warp field has for each profile.

Destructive Symbol: Is the speed at which the vessel will start to tear apart due to excessive stress.

Dimensions: Listed in meters for various parts of the ship from the primary hull to the propulsion systems.

Doctors: Lists the number of medical doctors that are normally onboard.

Durations: Is given for both standard years from upgrade and maximum maximum years until the craft must be rebuilt.

ECM Index: Is given as general guide to the craft's ability to evade detection. The index norm is based on the *Heavy Cruiser*.

Emergency Condition: Is the additional number of people that the craft can carry in an emergency.

Emergency Speed: Lists the fastest that the craft can travel for very short periods of time. The longer the craft travels at this speed the more the engines and hull are damaged.

Field Height: Is the optimum warp field height listed in meters.

Field Length: Is the optimum warp field length listed in meters.

Field Width: Is the optimum warp field width listed in meters.

Front Profile: This profile is used for familiarization of the front view of the vessel.

General Information: Is used to deliver additional information about the vessel.

Holdoff Power: Is given in watts and determines the power level that will breach the shields.

Hz (Hertz): Cycle per second.

Impulse Engine Output: Lists the engine output in watts.

Impulse Power Index: Is given as general guide to the vessel's overall impulse power. The index norm is based on the *Heavy Cruiser*.

Impulse Unit: Lists the impulse engine model number.

Laboratories: Lists the number of individual laboratories.

Max. Cruising: Lists the maximum speed that the impulse drive can propel the vessel.

Maximum Speed: Lists the fastest that the vessel can travel for short periods before complete engine destruction.

Max. Safe Cruising: Lists the warp that the vessel can travel without substantial decrease in handling and safety. This speed is the fastest that the craft can travel without damaging the engines.

Medical Facilities: List the statistics of the medical facility.

Model: Is a Roman numeral that is distinct to each vessel category for each type/class.

Naval Construction Contract: Lists the number series assigned to that particular vessel series for construction and vessel registration.

Number Constructed: Lists how many vessels have been built.

Number in Service: Lists how many vessels are on active duty.

Number Lost: Lists how many vessels have been destroyed or decommissioned for various reasons.

Number Proposed: Lists the number of vessels that are to be built.

Nurses: Lists the number of nurses that are normally aboard.

Operating Rooms: Lists the number of fully equipped operating rooms.

Optimum Speed: Lists the warp that the vessel travel with the best fuel-distance ratio with minimal wear to the engines.

Output: Listed in watts for each shot for both burst and continuous fire, if available.

Passengers: Lists the number of passengers that the craft may carry.

Port Profile: This profile is used for familiarization of the port view of the vessel.

Phase Power Index: Is given as general guide to the vessel's phase power. The index norm is based on the *Heavy Cruiser*.

Photon Power Index: Is given as general guide to the vessel's photon impeded power. The index norm is based on the *Heavy Cruiser*.

Primary Reactor Output: List the output of the primary power source in watts.

Range: Is the weapons' effective range.

Rate of Fire: Lists the number of shots per minute that the weapon is able to fire.

Rear Profile: This profile is used for familiarization of the rear view of the vessel.

Rebreath Rate: Is given in watts and shows how fast the shields will replenish themselves.

Replicators: Lists the vessel's ability to create materials and equipment.

Secondary Reactor Output: List the output of the secondary power source in watts.

Sensor Index Value: Is a general guide to the vessel's sensor abilities. The index norm is based on the *Heavy Cruiser*.

Shield Disruptions: Listed in meters for the normal operating dimensions of the shields.

Shield Index: Is given as general guide to the vessel's overall shield power. The index norm is based on the *Heavy Cruiser*.

Shield Rating: Lists the specification of the shields.

Ship Name: Is an alphabetical listing along with their naval construction contract numbers for the vessels that have been authorized for construction.

Shuttlecraft Bay: Listed below are the general dimensions for each category of shuttlecraft bay.

Small Bay: Landing area dimensions of 20-800 sq.m with a normal deck height of 2.4-6 meters. Vehicle storage area dimensions of 20-800 sq.m with a normal deck height of 2.4 meters.

Medium Bay: Landing area dimensions of 800-2000 sq.m with a normal deck height of 6-10 meters. Vehicle storage area dimensions of 800-2000 sq.m with a normal deck height of 2.4 meters.

Large Bay: Landing area dimensions of 2000-10000 sq.m with a normal deck height of 6-10 meters. Vehicle storage area dimensions of 2000-10000 sq.m with a normal deck height of 2.4-3.2 meters.

Super Bay: Landing area dimensions of 10000+ sq.m with a normal deck height of 8-12 meters. Vehicle storage area dimensions of 10000+ sq.m with a normal deck height of 2.4-4.8 meters.

Shuttlecraft Specifications: Lists the number of docking ports, shuttlecraft bays, number and type of shuttlecrafts and lifeboats.

Sightlines: Is given for both recognition and to show the vessel's target area from various profiles. The smaller the area, the harder the ship is to target from that profile. The area values do not take into consideration the vessel's electronic countermeasures.

Side Comparison: Gives port views for a comparison of the vessel's size in relation to other vessels.

Speed vs. Time: Is a graph that shows warp speed vs. time.

Std. Ship Complement: Is the standard number of crew members for the vessel. The listing is broken up into Officers, Crew and Troops.

Stock: Is given if the weapon has a finite supply of shots.

Telemetry: Lists the number of communication channels available for transmission of data and the power output of those transmissions listed in watts.

Top Profile: This profile is used for familiarization of the top view of the vessel.

Visual Target Area: Is created by adding the top, port and front areas to give a generalization of the vessel's overall target size.

Tractor Beam Specifications: Uses a tractor beam load calculator to calculate mass vs. tonnage at each warp speed (see Tractor Beam on page SRM1 01:01:01 for information on how to use).

Weapon Status: Is given for both the max. range and tow capacity.

Weapons: Lists the total number and type of units.

Type: Is a general term used to categorize the craft's abilities.

Class 1: Is used for starships that are designed with flexibility in their operating parameters.

Class 2: Is used for support ships that are designed for a specific mission and have much flexibility in their design.

Class 3: Is used for space station and habitable space facilities. The general rule is that the complex has recreational facilities and permanent residences.

Class 4: Is used for space facilities such as dry docks and refineries, generally not used as habitable environments.

Class 5: Is used for shuttlecraft and small support vessels.

Class 6: Is used for automated craft and facilities with little or no habitable environment provided for in the design.

Class 7: Is used to designate non-powered, space-going vessels such as cargo containers.

Weapon: Is used to designate items such as torpedoes, probes and buoys.

Weapon Power Index: Is given as general guide to the craft's overall weapon power. The index norm is based on the *Heavy Cruiser*.

Warp Engine Output: Lists the intermix chamber output in watts.

Warp Field: Shows the field curvature around the vessel at optimum field configuration. The more slender the lateral field the less energy needed to propel the craft through space.

Warp Power Index: Is given as general guide to the craft's overall warp power. The index norm is based on the *Heavy Cruiser*.

Warp Speed/Power Graph: Is a two-sided graph used to show the power consumption based on the speed of the vessel.

Warp Value: Lists the warp drive model number.

Weapon (Type) Total: Gives the number of banks/bays and how many phasers/tubes per bank/bay. A weapon location is given for the position of each weapon facing and can be used as a general guide of the weapon's angle of attack.



LIGHT CRAFT

General Information

A large number of small support vehicles are required by Starfleet in order to carry out various missions such as construction, transportation and defense. Shuttlecraft are predominantly designed for specific mission requirements in order to create the smallest, most effective package.

Shuttles are sometimes very useful for moving small groups of people when transporters can not be used for one reason or another.

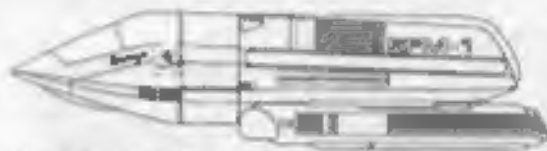
Size Comparison



WorkBee



Assault Shuttle



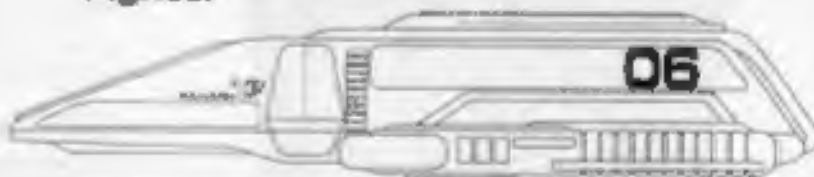
DuelBee



Fighter



Assault Bee



Heavy Shuttlecraft

Super Bee



Shuttlepod



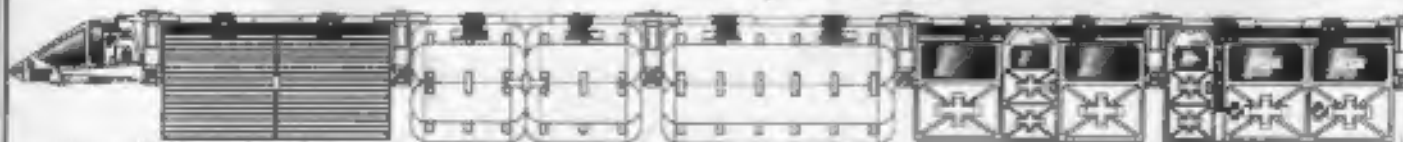
Killer Bee



Survey Shuttle



WorkBee Train



ASSAULT SHUTTLE



General Information

Specific Role: The Assault Shuttlecraft is the main small craft deployed by the United Federation of Planets Peace Keeping Forces (Starfleet Marines) for an assault role. The Shuttle's role is two fold: point assault and the delivery of assault troops through the large door located to the rear of the vessel.

Physical Description: The hull is shaped in a long wedge and it is equipped with three doors. Two of the doors are located one on either side of the crafts forward section and the third serves as a sliding hatch that opens the rear section completely. Positioned on both sides of the shuttle are (SMDN5/3-8) navigational sensor arrays. This shuttle is equipped with both (BP1/12-5S) phasers and (PB1/12-8W) photon missiles. The phasers are mounted both port and starboard just forward of the main hatches and the photon missile launchers are installed below on the lower hull. Sublight propulsion is provided by the impulse drive system located on the lower rear section of the craft. Warp power is provided by (SW7/1-4ED) micro-nacelles which are mounted on each side of the hull.

Class Emblem



Statistics

Category: Assault Shuttle

Class: Shuttlecraft

Type: Imp

Model: MK-VI

Rural Construction Contract: AS-11

Dimensions:

Overall Dimensions (Meters)

Length: 9.916m

Width: 4.021m

Height: 2.525m

Displacement (Metric Tons)

Light: 5.08m

Standard: 5.63m

Full Load: 6.47m

Performance:

Impulse Drive: Dual Unit (ID35E/4-UP)

Impulse Engine Output: 6.5×10^9 W

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.125 sec

0.25-0.50 Impulse: 0.187 sec

0.50-0.75 Impulse: 0.250 sec

0.75-Full Impulse: 0.312 sec

Warp Units: 2 Nacelle Units (SKDN/1-SBX)

Warp Engine Output: 1.8×10^7 W

Optimum Speed: Warp 2

Max. Safe Cruising: Warp 3

Emergency Speed: Warp 4

Max. Speed: Warp 4.2

Destructive Speed: Warp 4.5

Acceleration Power: 3.0

Acceleration Times:

Warp 1 - Warp 2: 2.205 sec

Warp 2 - Warp 3: 2.088 sec

Warp 3 - Warp 4: 5.116 sec

Warp 4 - Warp 5: N/A

Warp 5 - Warp 6: N/A

Warp 6 - Warp 7: N/A

Warp 7 - Warp 8: N/A

Warp 8 - Warp 9: N/A

Warp 9 - Warp 9.5: N/A

Warp 9.5 - Warp 9.75: N/A

Warp 9.75 - Warp 9.9: N/A

Duration (Years)

Standard: 5 Years

Maximum: 20 Years

Min. Ship Complement: 1

Crew: 1

Passengers: 9

Emergency condition: +4

Transportation Total: 1

1 Person: 0

2 Person: 1

3 Person: 0

Small Cargo: 0

Medium Cargo: 0

Tractor Beams: 1

Tow Capacity: 4.90×10^{12} wt

Max Range: 0.83×10^{11} km

Cargo Specifications:

Standard Cargo Units: N/A

Cargo Capacity: N/A

Shuttlecraft Specifications:

Docking Ports: 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 1.354

Stellar Survey: 0.942

Short Range: 1.158

Long Range: 1.100

Navigation: 0.975

Special: 1.145

Computers: 2

Type: Nonray-Magne 18/u

Type: Nonray-Magne 14/g

Shield Rating:

Holdoff Power: 4.08×10^8 W

Refresh Rate: 1.48×10^9 W

Breakdown Rate: 1.75×10^9 W

Shield Dimensions (Meters)

Length: 11.88m

Width: 4.826m

Height: 3.03m

Weapons:

Weapon Placement:

Beam (Phasers) Total: 2 Mounts

Output: 5.0×10^8 W / 2.8×10^8 W

Range: 2.5×10^3 km

Rate of Fire: 30 ppm / Cont.

Forward Banks: 1

Rear Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 0

Lower Banks: 0

Beam (Heavy Phasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Missile (Photon) Total: 2 Tubes

Stock: 30

Range: 2.0×10^3 km

Output: 5-17 Megatons

Rate of Fire: 10 ppm

Forward Bay: 2

Rear Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

Craft Silhouettes

Total Target Area 89.80 m²



Top Silhouette
Area 31.08 m²



Port Silhouette
Area 18.09 m²



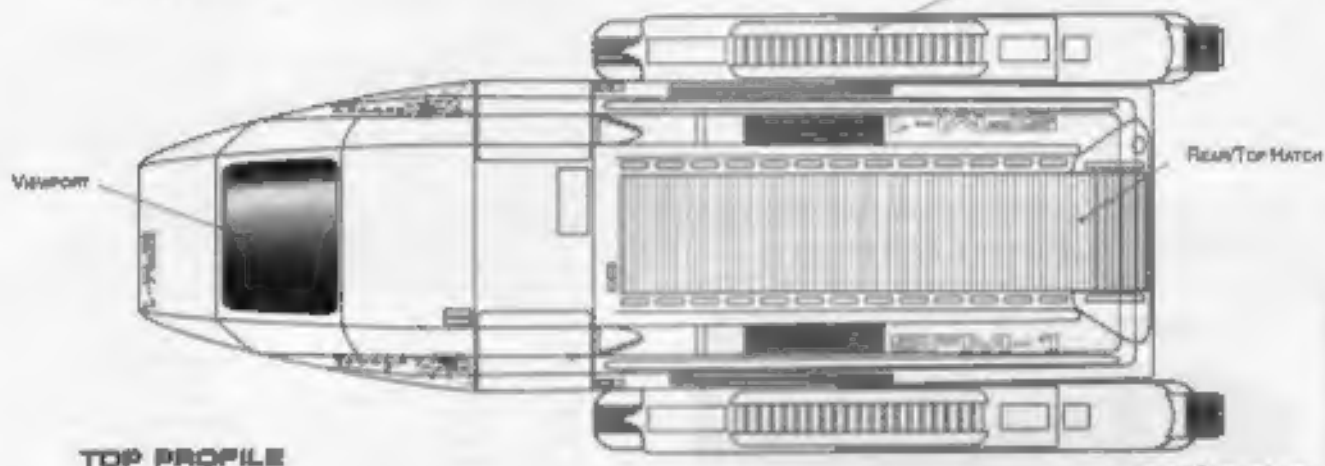
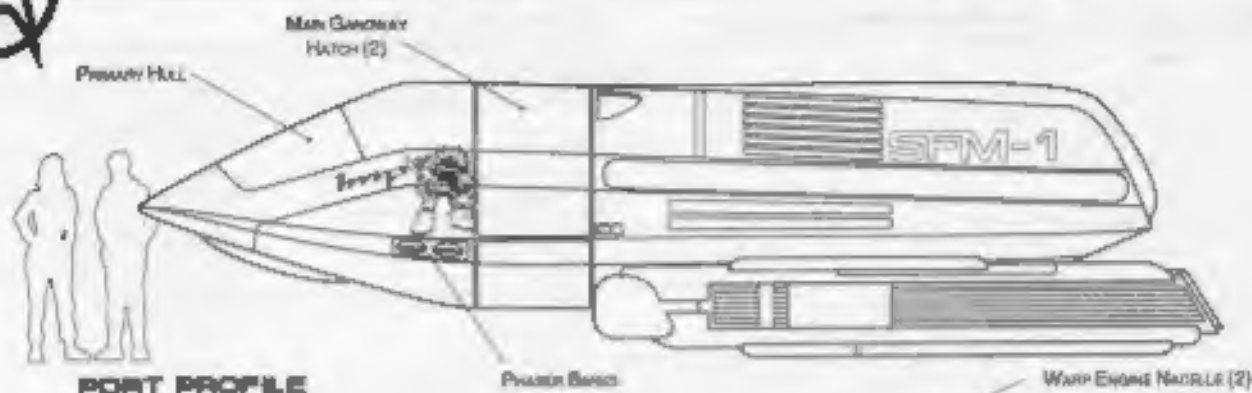
Front Silhouette
Area 8.38 m²



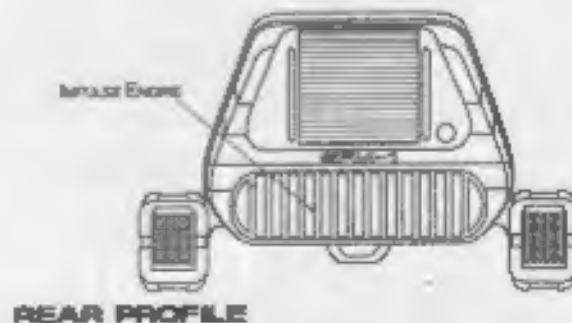
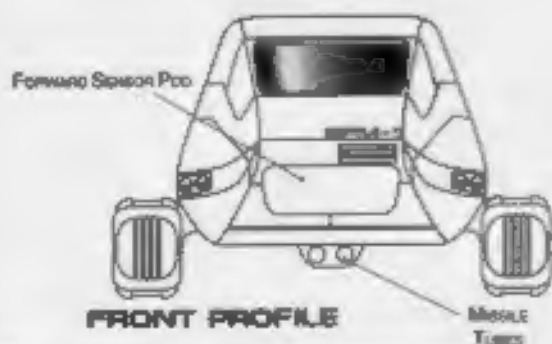
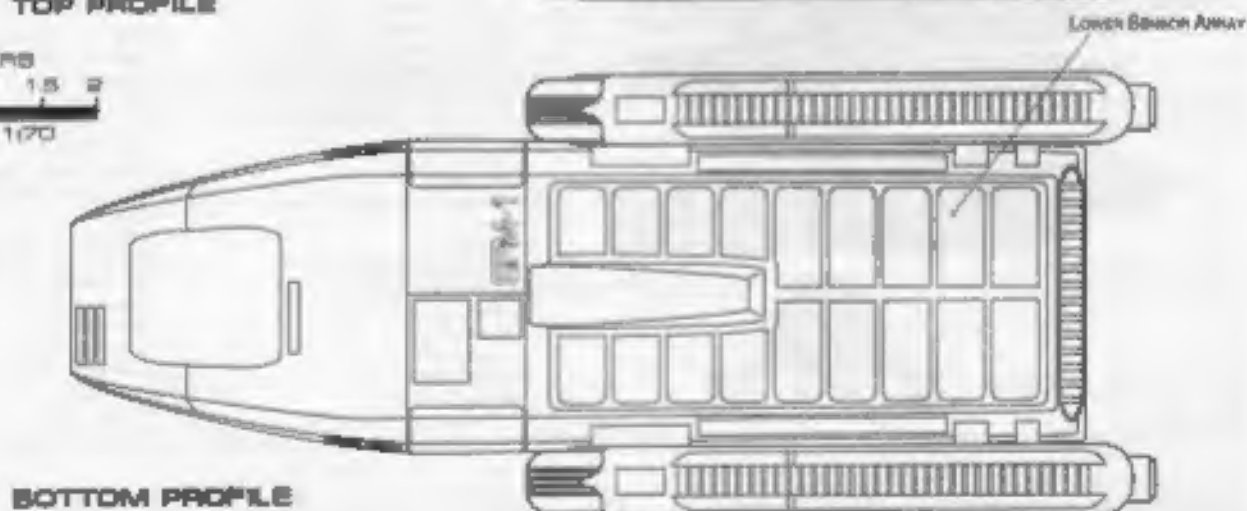
ASSAULT SHUTTLE

IMP CLASS

FEDERATION CRAFT



METERS
0 0.5 1 1.5 2
SCALE 1:70



FIGHTER



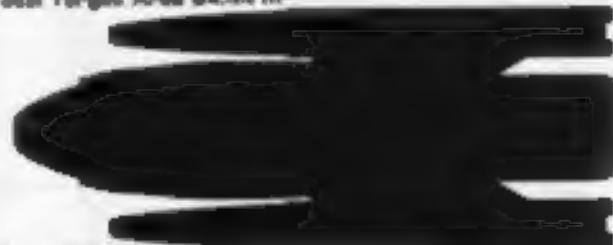
General Information

Specific Role: The Fighter's mission is a precision assault and zone protection. The fighter is designed to be crewed by a pilot, navigator and weapons officer. For the purposes of starship engagement the fighter has been designed to operate at high warp speeds for short periods of time.

Physical Description: The fighter's hull is sleek teardrop shape. The crew, seated in the cockpit, is covered by a full canopy. A (SMDN22/3-7) navigational sensor assembly is slung under the rear portion of the craft. The fighter is equipped with (BP1/12-5F) phaser cannons, (BP2/24-2J) heavy phaser cannons, and (PB1/12-8A) photon missiles. Phasers are mounted on either side of the hull just below the canopy, and heavy phasers are mounted directly below the cockpit. The photon missile tube pod is mounted on top of the dorsal fin. Sublight propulsion is provided by the impulse drive system located on the lower rear section of the craft. Warp power is provided by (SW15/1-2GF) micro-nacelles which are mounted on each side of the hull.

Craft Silhouettes

Total Target Area 94.44 m²



Top Silhouette

Area 40.08 m²



Port Silhouette

Area 18.04 m²



Front Silhouette

Area 5.32 m²

Statistics

Classification: Fighter

Category: Fighter

Class: Hornet

Type: Class 5

Model: MC-VII

Naval Construction Contract: SF-11

Dimensions:

Overall Dimensions (Meters)

Length: 11.51m

Width: 4.44m

Height: 3.00m

Displacement (Metric Tons)

Light: 6.15mt

Standard: 6.84mt

Full Load: 7.86mt

Performance:

Impulse Units: Dual Pack (IP35E/4-10)

Impulse Engine Output: 9.9x10⁸ W

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.109 sec.

0.25-0.50 Impulse: 0.165 sec.

0.50-0.75 Impulse: 0.220 sec.

0.75-Full Impulse: 0.274 sec.

Warp Units: 2 Nacelle Units (SB4/1-3TH)

Warp Engine Output: 3.1x10¹² W

Optimum Speed: Warp 6

Max. Safe Cruising: Warp 7

Emergency Speed: Warp 8

Max. Speed: Warp 8.4

Destructive Speed: Warp 9.5

Acceleration Power: 3.0

Acceleration Times:

Warp 1 - Warp 2: 0.130 sec.

Warp 2 - Warp 3: 0.208 sec.

Warp 3 - Warp 4: 0.831 sec.

Warp 4 - Warp 5: 1.134 sec.

Warp 5 - Warp 6: 1.213 sec.

Warp 6 - Warp 7: 1.311 sec.

Warp 7 - Warp 8: 1.682 sec.

Warp 8 - Warp 9: 2.406 sec.

Warp 9 - Warp 9.5: 5.347 sec.

Warp 9.5 - Warp 9.75: N/A

Warp 9.75 - Warp 9.9: N/A

Duration (Years)

Standard: 2 Years

Maximum: 4 Years

Std. Ship Complement: 3

Crew: 3

Passengers: 0

Emergency condition: +0

Transmission Total: 0

1 Person: 0

3 Person: 0

4 Person: 0

Small Cargo: 0

Medium Cargo: 0

Tractor Beams: 1

Tow Capacity: 3.20x10⁴mt

Max Range: 3.30x10³km

Cargo Specifications:

Standard Cargo Units: N/A

Cargo Capacity: N/A

Shuttlecraft Specifications:

Docking Ports: 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 1.548

Stellar Survey: 0.955

Short Range: 1.125

Long Range: 1.060

Navigation: 0.982

Special: 1.948

Computers: 2

Type: Noray-Magne 22:d

Type: Noray-Magne 13:l

Shield Rating:

Holdoff Power: 4.72x10⁸ W

Refresh Rate: 1.34x10⁸ W

Breakdown Rate: 1.81x10⁸ W

Shield Dimensions (Meters)

Length: 13.21m

Width: 5.33m

Height: 3.00m

Weapons:

Weapon Placement:

Beam (Phasers) Total: 2 Mounts

Output: 5.0x10¹⁰ W / 2.6x10¹⁰ W

Range: 2.5x10⁵ km

Rate of Fire: 30 ppm / Com.

Forward Banks: 2

Rear Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 0

Lower Banks: 0

Beam (Heavy Phasers) Total: 1

Output: 7.5x10¹⁰ W / 3.75x10¹⁰ W

Range: 4.0x10⁵ km

Rate of Fire: 20 ppm / Com.

Forward/Rear Banks: 1

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Missiles (Photons) Total: 3 Tubes

Stock: 90

Range: 2.0x10⁵ km

Output: 5-11 Megajoules

Rate of Fire: 10 ppm

Forward Bay: 3

Rear Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

Class Emblem



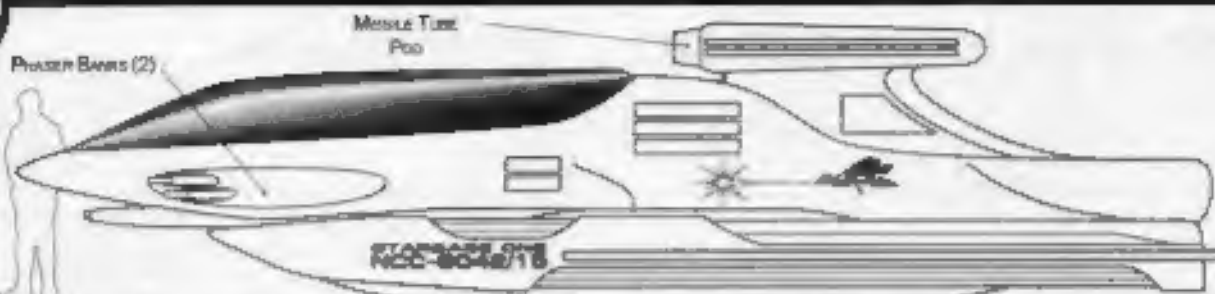
Hornet Class
Fighter



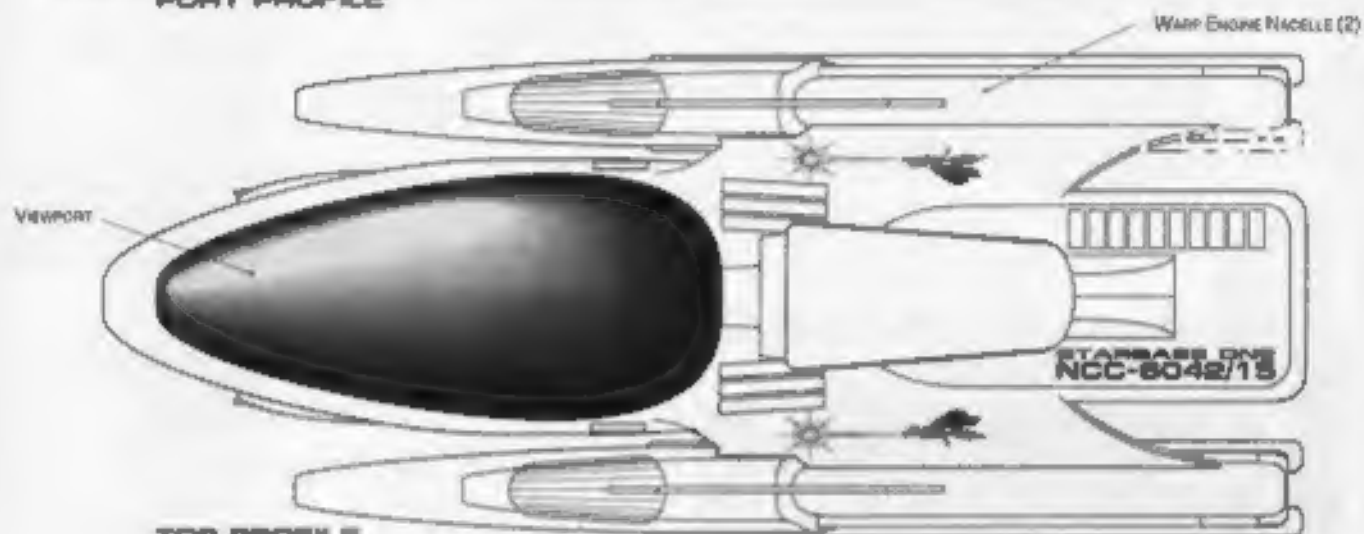
FIGHTER

HORNET CLASS

FEDERATION CRAFT

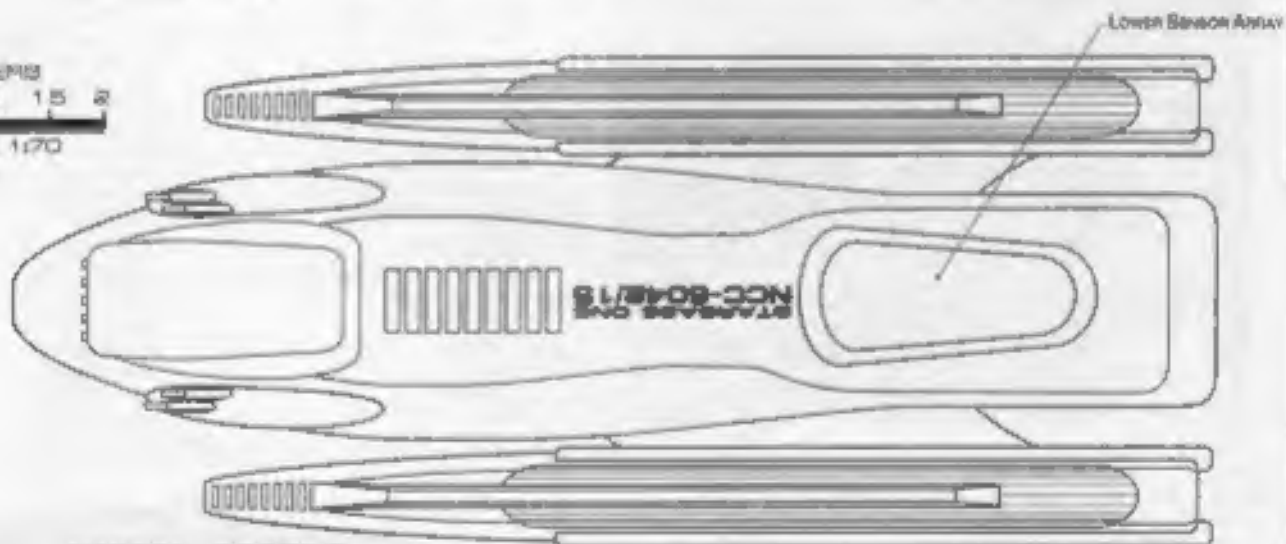


PORT PROFILE

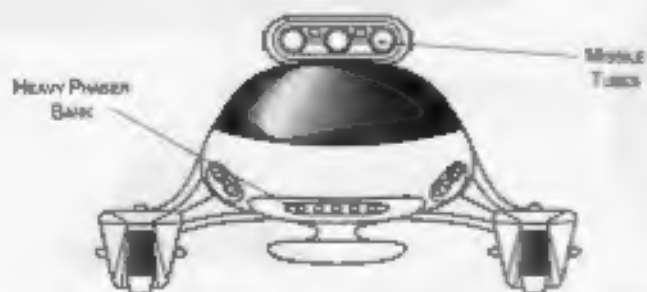


TOP PROFILE

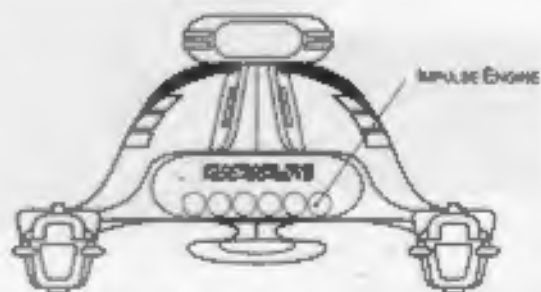
METERS
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SCALE 1:70



BOTTOM PROFILE



FRONT PROFILE



REAR PROFILE

HEAVY SHUTTLECRAFT



General Information

Specific Role: The Heavy Shuttlecraft is used when a standard shuttlecraft is not large enough to meet the mission requirements. The Shuttle is useful for a diverse number of missions due to its very large interior space, extreme range, speed and versatility.

Physical Description: The hull is a large wedge and is equipped with two doors. An access hatch is located on the port side of the shuttlecraft, and an emergency hatch is located on the top of the craft. Positioned on either side of the shuttle are (SMDN25/7-4) navigational sensor arrays. The shuttle is equipped with a (BP2/24-3B) heavy phaser mounted in the top cowling. Sublight propulsion is provided by the impulse drive system located on the lower rear section of the craft. Warp power is provided by (SW52/1-5MK) micro-nacelles which are mounted on each side of the hull.

Class Emblem



Statistics

Classification: Heavy Shuttlecraft

Category: Shuttlecraft

Class: Aladdin

Type: Class 5

Model: MK-X

Naval Construction Contract: NS-11

Dimensions:

Overall Dimensions (Meters)

Length: 18.17m

Width: 7.02m

Height: 3.71m

Displacement (Metric Tons)

Light: 12.20mt

Standard: 13.50mt

Full Load: 15.50mt

Performance:

Impulse Units: Dual Unit (P75E41P)

Impulse Engine Output: 1.3×10^6 W

Max Cruising: 0

Acceleration Rate:

0.00-0.25 Impulse: 0.144 sec.

0.25-0.50 Impulse: 0.216 sec.

0.50-0.75 Impulse: 0.288 sec.

0.75-Full Impulse: 0.360 sec.

Warp Units: 2 Nacelle Units (SW18/1-4A3)

Warp Engine Output: 2.5×10^7 W

Optimum Speed: Warp 3

Max. Safe Cruising: Warp 4

Emergency Speed: Warp 4.5

Max. Speed: Warp 4.9

Destructive Speed: Warp 5.2

Acceleration Power: 3.0

Acceleration Times:

Warp 1 - Warp 2: 2.572 sec.

Warp 2 - Warp 3: 3.136 sec.

Warp 3 - Warp 4: 5.668 sec.

Warp 4 - Warp 5: 10.231 sec.

Warp 5 - Warp 6: N/A

Warp 6 - Warp 7: N/A

Warp 7 - Warp 8: N/A

Warp 8 - Warp 9: N/A

Warp 9 - Warp 9.5: N/A

Warp 9.5 - Warp 9.75: N/A

Warp 9.75 - Warp 9.9: N/A

Duration (Years)

Standard: 5 Years

Maximum: 20 Years

Std. Ship Complement: 1

Crew: 1

Passengers: 16

Emergency condition: +10

Emitters Total: 1

1 Person: 0

2 Person: 1

3 Person: 0

Small Cargo: 0

Medium Cargo: 0

Tractor Beams: 1

Tow Capacity: 7.82×10^4 mt

Max Range: 9.35×10^4 km

Cargo Specifications:

Standard Cargo Units: N/A

Cargo Capacity: N/A

Shuttlecraft Specifications:

Docking Ports: 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 1.272

Stellar Survey: 0.888

Short Range: 1.123

Long Range: 1.138

Navigation: 0.997

Special: 1.142

Computers: 2

Type: Norray-Magne 21n

Type: Norray-Magne 17a

Shield Rating:

Moldoff Power: 5.95×10^6 W

Refresh Rate: 2.34×10^6 W

Breakdown Rate: 2.01×10^6 W

Shield Dimensions (Meters)

Length: 18.17m

Width: 7.02m

Height: 3.71m

Weapons:

Weapon Placement:

Beam (Phasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward Banks: 0

Rear Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 0

Lower Banks: 0

Beam (Heavy Phasers) Total: 1

Output: 7.5×10^{10} W / 3.75×10^9 W

Range: 4.0×10^5 km

Rate of Fire: 20 ppm / Cont.

Forward/Rear Banks: 1

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Missiles (Photon) Total: N/A

Block: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

Craft Silhouettes

Total Target Area 180.84 m²



Top Silhouette

Area 74.12 m²



Port Silhouette

Area 26.09 m²



Front Silhouette

Area 11.44 m²

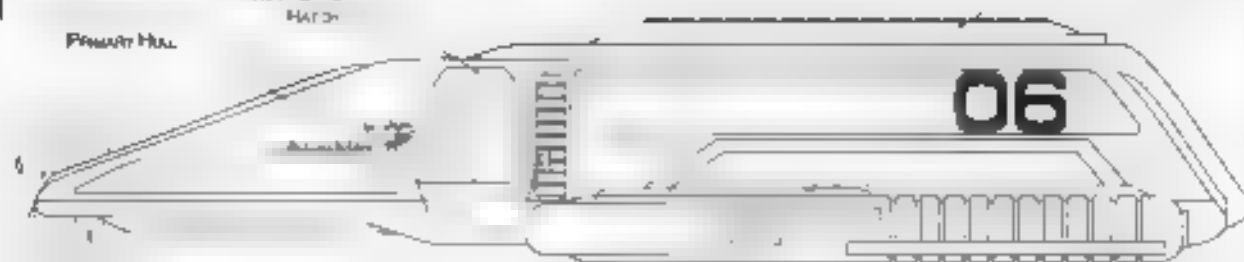


HEAVY SHUTTLECRAFT

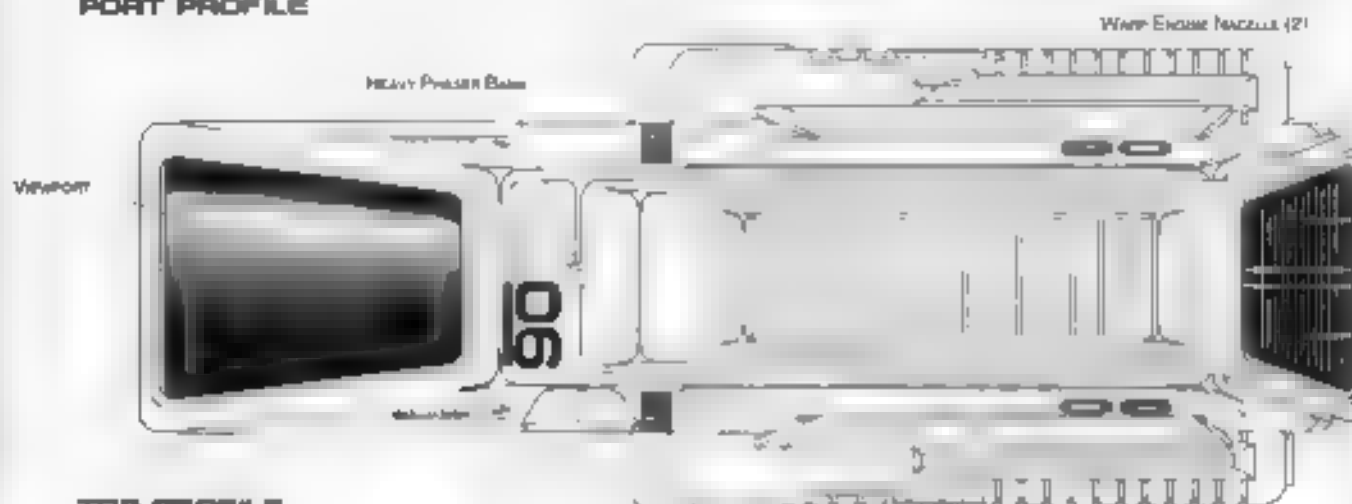
ADDIN CLASS

Primary Hull
Main Gangway Hatch

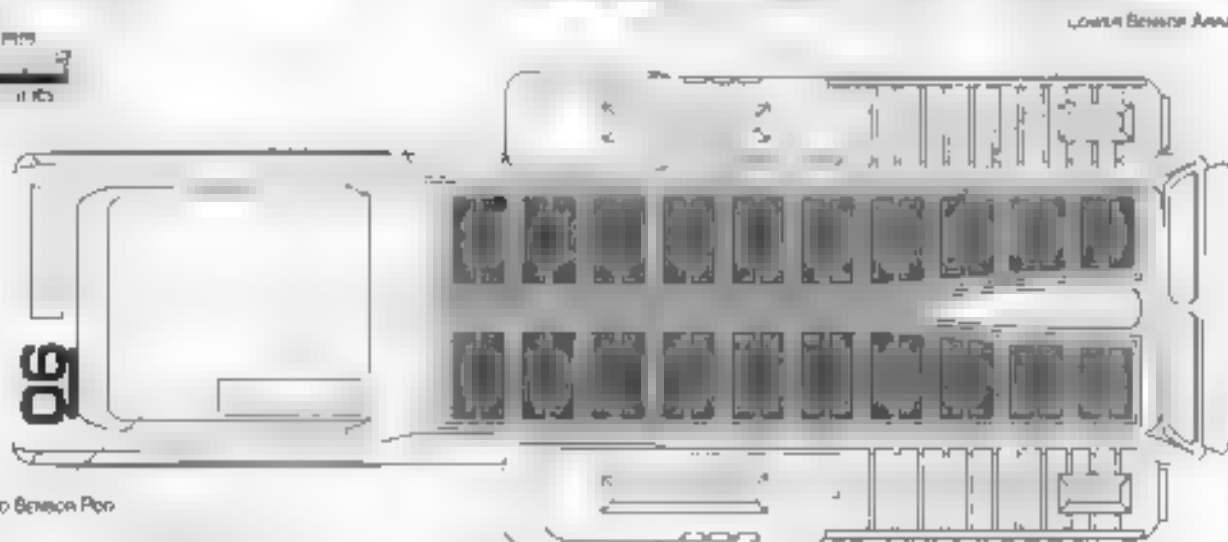
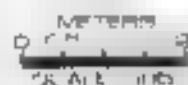
Upper Sensor Array



PORT PROFILE

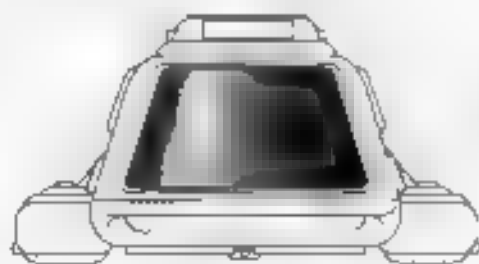


TOP PROFILE



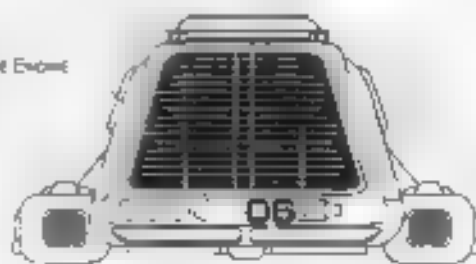
Forward Sensor Pod

BOTTOM PROFILE



FRONT PROFILE

Warp Engine



REAR PROFILE

SHUTTLEPOD



General Information

Specific Role: The Shuttlepod's mission is to perform tasks that a standard shuttlecraft is either too large for or not needed. The pod is useful for a multitude of missions due to its small size, range, speed, and versatility.

Physical Description: The Shuttlepod is a short wedge with a large forward canopy. The pod has three doors, two of which are located on either side of the craft, and the third serves as an emergency hatch on the top. Located in the bow of the shuttle is a SMDNA-14 navigational sensor array. Swoosh propulsion is provided by the impulse drive system located on the lower rear section of the craft. Warp power is provided by SW971-3AG micro reactors which are mounted on each side of the hull.

Class Emblem



Statistics

Classification: Shuttlepod

Category: Shuttlecraft

Class: Leprechaun

Type: L-Class

Model: WP-01

Manufacturer/Contractor: BP

Inventory:

Overall Dimensions (Meters):

Length: 5.4 m

Width: 4.5 m

Height: 5.2 m

Displacement (Metric Tons):

Light: 1

Standard: 3.1 m

Full Load: 3.4 m

Performance:

Impulse Units: DUB-100 (1000000)

Impulse Engine Output: 2.5 x 10⁶ W

Max Cruising:

Acceleration Rate: 0.00-0.25 impulses 0.34 sec

0.25-0.50 impulses N/A

0.50-0.75 impulses N/A

0.75 Full impulses N/A

Warp Units: 1 warp unit (1000000)

Warp Engine Output: 1.2 x 10⁶ W

Optimum Speed: Warp 1

Max Safe Cruising: Warp 2.5

Emergency Speed: Warp 7.5

Max Speed: Warp 9.0

Destructive Speed: Warp 9.1

Acceleration Power: 10

Acceleration Time:

Warp 1: Warp 2: 1.450 sec

Warp 2: Warp 3: 1.07 sec

Warp 3: Warp 4: N/A

Warp 4: Warp 5: N/A

Warp 5: Warp 6: N/A

Warp 6: Warp 7: N/A

Warp 7: Warp 8: N/A

Warp 8: Warp 9: N/A

Warp 9: Warp 9.5: N/A

Warp 9.5: Warp 9.75: N/A

Warp 9.75: Warp 9.9: N/A

Duration (Years):

Standard: 1 year

Maximum: 1 year

Max. Warp Complement: 1

Crew: 1

Passenger: 3

Emergency condition: 42

Transportation Total: 0

1 Person: 0

2 Person: 0

3 Person: 0

Small Cargo: 0

Medium Cargo: 0

Tractor Beams:

Two Capacity: 25 KID/m

Max Range: 420 m/0 km

Cargo Specifications:

Standard Cargo Units: N/A

Cargo Capacity: N/A

Shuttlecraft Specifications:

Docking Ports: 0

Cloaking Device: 0

Sensor Index Value:

Planetary Survey: 0.025

Recon Survey: 0.43

Short Range: 0.07

Long Range: 0.225

Navigation: 1.50

Special: 0.50

Compliments:

Type: Navy-Naval 15 y

Type: N/A

Shield Rating:

Shield Power: 6.72 x 10⁶ W

Refresh Rate: 1.34 x 10⁶ W

Breakdown Rate: 6.72 x 10⁶ W

Shield Dimensions (Meters):

Length: 5.4 m

Width: 4.5 m

Height: 5.2 m

Weapons:

Weapon Placement:

Beam (Phasers) Total: N/A

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward Banks: 0

Star Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 0

Lower Banks: 0

Beam (MegaPhasers) Total: N/A

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper/Lower Banks: 0

Beam (Photon) Total: N/A

Output: N/A

Range: N/A

Rate of Fire: 0

Forward Bay: 0

Star Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

Craft Silhouettes

Total Target Area: 40.08 m²



Top Silhouette

Area: 21.02 m²



Port Silhouette

Area: 18.06 m²



Front Silhouette

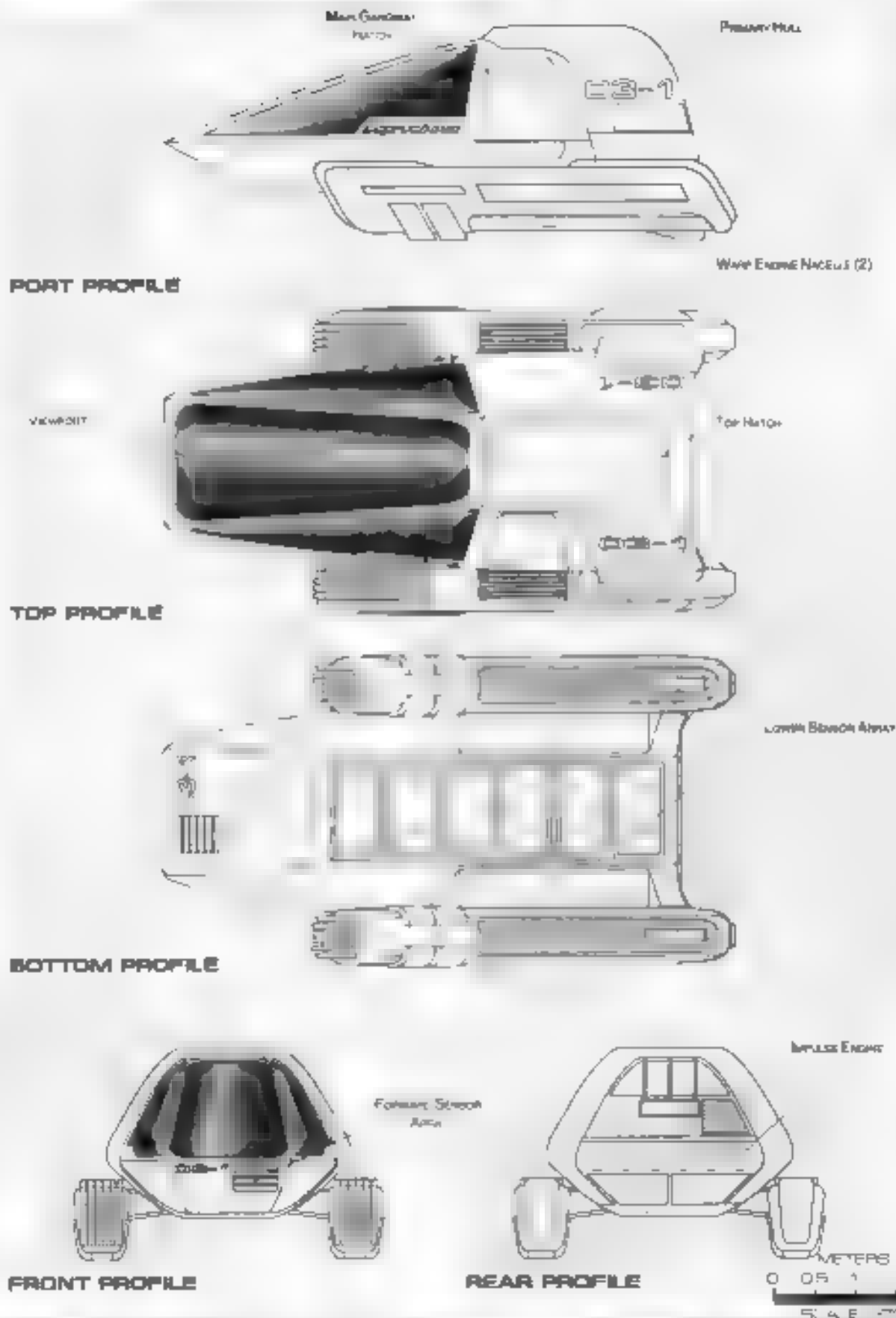
Area: 0.88 m²



SHUTTLEPOD

LEPRECHAUN CLASS

FEDERATION CRAFT



SURVEY SHUTTLE

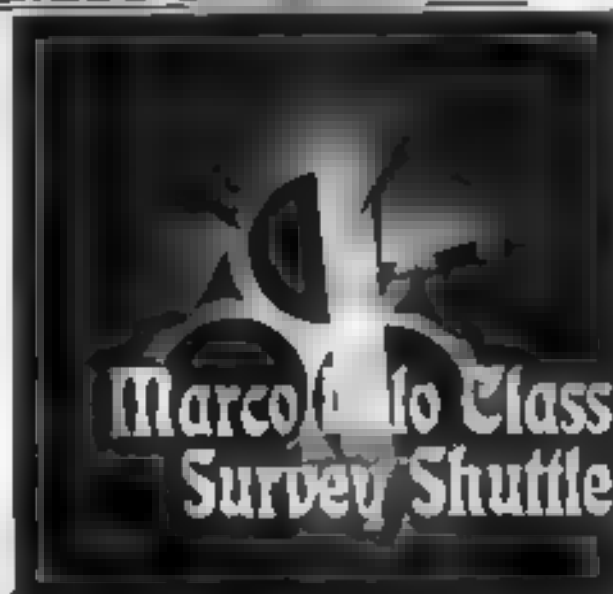


General Information

Specific Role The Survey Shuttlecraft is designed as a research shuttlecraft whose primary mission is extensive exploration. The Shuttle's mission is made easier by its large interior space, range and multiple sensor arrays.

Physical Description The hull is a long wedge shape and is equipped with extensive sensors. Two SNI 4 ZAP sensors are integrated into the nacelles and the bow is a SML22 2AP sensor array pod mounted on the upper hull. Positioned on either side of the shuttle are SMDN8/5 2 navigational arrays. The shuttle is equipped with one BL 16 10 phaser. Sublight propulsion is provided by the impulse drive system located on the lower rear section of the hull. Warp power is provided by (SW4 1 5N7) warp nacelles which are mounted on each side of the hull.

Class Emblem



Statistics

Classification Survey Shuttlecraft

Category Shuttlecraft

Class Marco Polo

Type class 5

Model V4 X

Naval Construction Contract SS-11

Dimensions

Overall Dimensions (Meters)

Length 4m

Width 4.8m

Height 3.2m

Displacement (Metric Tons)

Light 4.01

Standard 4.52mt

Full Load 5.00mt

Performance

Impulse Drive Dual HX (EM7DQ-4C)

Impulse Engine Output 8x10⁶ W

Max Cruising

Acceleration Rate

0 00-0 25 Impulse 0.37 sec

0 25-0 50 Impulse 0.28 sec

0 50-0 75 Impulse 0.25 sec

0 75 Full Impulse 0.243 sec

Warp Drive 2 Nacelle Units - CV54N 20E

Warp Engine Output 2x10⁶ W

Optimum Speed Warp 7

Max Safe Cruising Warp 3

Emergency Speed Warp 4

Max Speed Warp 4.1

Destructive Speed Warp 4.2

Acceleration Power 3.0

Acceleration Times:

Warp 1 Warp 2 0.40 sec

Warp 2 Warp 3 0.44 sec

Warp 3 Warp 4 0.52 sec

Warp 4 Warp 5 1.0

Warp 5 Warp 6 1.0

Warp 6 Warp 7 1.0

Warp 7 Warp 8 1.0

Warp 8 Warp 9 1.0

Warp 9 Warp 10 1.0

Warp 10 Warp 11 1.0

Warp 11 Warp 12 1.0

Warp 12 Warp 13 1.0

Warp 13 Warp 14 1.0

Warp 14 Warp 15 1.0

Duration (Total)

Standard 1 year

Maximum 70 years

Std. Ship Complement 1

Crew 2

Passenger 0

Emergency condition 14

Transmission 100%

1 Person 0

2 Person 0

3 Person 0

Small Cargo 0

Medium Cargo 0

Traction Beam

Tow Capacity 4.80x10⁶mt

Max Range 6.21x10⁶km

Cargo Specifications

Standard Cargo Units N/A

Cargo Capacity N/A

Shuttlecraft Specifications

Docking Ports 0

Cloaking Devices 0

Sensor Index Values

Planetary Survey 1581

Stellar Survey 0.25

Short Range 325

Long Range 0.25

Navigation 0.23

Special 205

Compass 2

Type Navy-Magne 34.1

Type Navy-Magne 3.0

Shield Rating

Maximum Power 4.85x10⁶ W

Refresh Rate 47x 10⁶ W

Breakdown Rate 72x10⁶ W

Shield Dimensions (Meters)

Length 0.5m

Width 0.4m

Height 0.7m

Weapons

Weapon Placement

Beam (Phasers) Total Mounted

Output 0x 10⁶ W 2.5x10⁶ W

Range 2.5x 10⁶ km

Rate of Fire 20 ppm Cont

Forward Banks

Rear Banks 0

Port Banks 0

Starboard Banks 0

Upper Banks 0

Lower Banks 0

Beam (Matter/Plasma) Total 0

Output N/A

Range N/A

Rate of Fire N/A

Forward/Rear Banks 0

Port/Starboard Banks 0

Upper/Lower Banks 0

Missiles (Photon) Total N/A

Short 1.0

Range N/A

Output N/A

Rate of Fire N/A

Forward Bay 0

Rear Bay 0

Port Bay 0

Starboard Bay 0

Upper Bay 0

Lower Bay 0

Craft Silhouettes

Total Target Area 78.38 m²



Top Silhouette

Area 43.84 m²



Port Silhouette

Area 82.44 m²



Front Silhouette

Area 9.20 m²

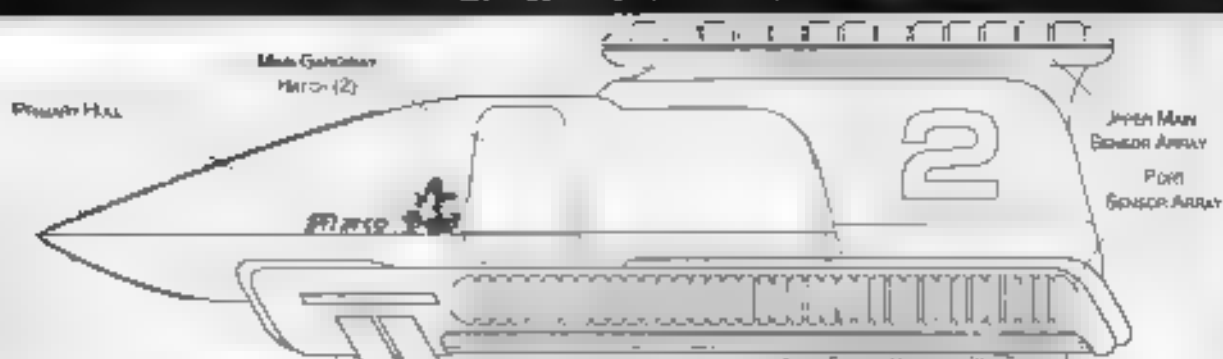


SURVEY SHUTTLE

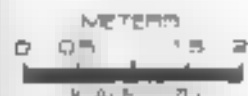
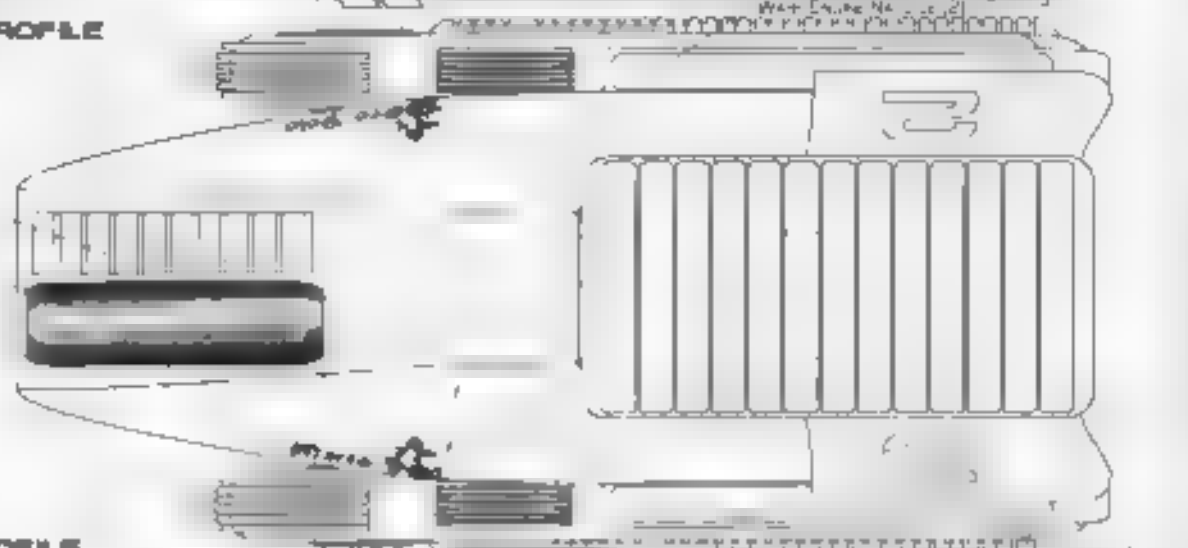
STARFLEET POLICE CRAFT

FEDERATION CRAFT

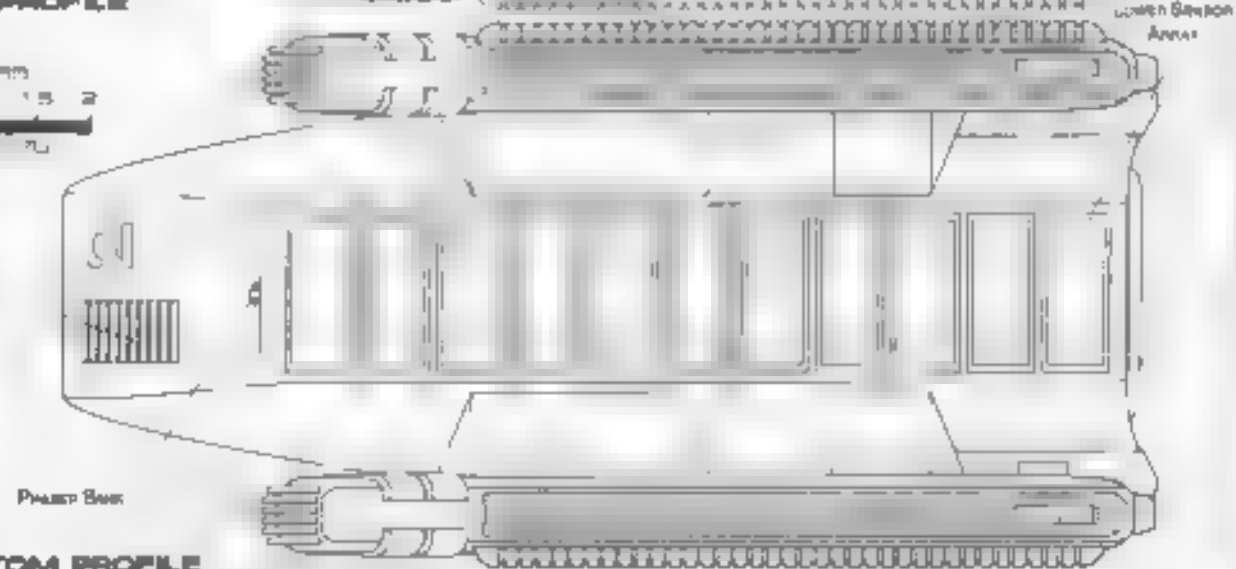
PORT PROFILE



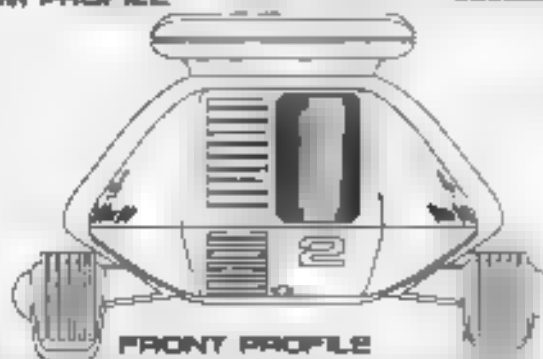
TOP PROFILE



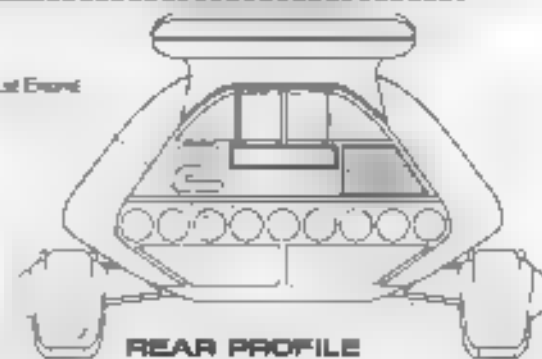
BOTTOM PROFILE



FRONT PROFILE



REAR PROFILE



GENERAL UTILITY CRAFT



General Information

Specific Role: The WorkBee family of general utility vehicles are designed to fulfill almost all utility craft roles. This family of craft is based on a modular system built around the basic WorkBee vehicle.

WorkBee: The WorkBee is basically a single operator, general purpose cockpit with a rudimentary drive system. It has been designed to accommodate a whole range of modular components. The cockpit control system is automatically reconfigured with each new modular attachment. The WorkBee by itself is no more than a viewing cockpit, but with its modules attached it is able to perform various specific missions.

DualBee: The DualBee is a WorkBee with a two person cockpit. The DualBee is compatible with most WorkBee modules. Refer to WorkBee Attachment Compatibility Chart for exact compatibility with various attachments.

AssaultBee: The AssaultBee is a light weapons module that gives the Bee both weapons and warp capability.

SuperBee: The SuperBee module gives the Bee tractor beams, warp capability, and additional sensors and towing capacity. The SuperBee can still utilize most of the other modules. (Refer to WorkBee Attachment Compatibility Chart for exact compatibility with various attachments.)

KillerBee: The KillerBee module turns the Bee into a light fighter with phaser, photons, warp capability and additional sensors.

Cargo Train: The Cargo Train module allows multiple cargo pods to be chained together for transportation.

Passenger Train: The Passenger Train module allows multiple passenger and medical pods to be chained together for transportation.

Tanker Train: The Tanker Train module can be used for liquid or bulk transport.

Booster Pack: The Booster Pack gives the Bee additional towing capacity and minor warp capability.

Clamper Pack: The Clamper Pack allows the Bee to grasp and clamp objects.

Cutter Pack: The Cutter Pack gives the Bee an external fusion cutting torch.

Drone Pack: The Drone Pack contains an independent computer to perform operations that do not require an operator.

Floodlight Pack: The Floodlight Pack is used for large scale illumination.

Grabber Pack: The Grabber Pack allows the Bee to grasp and manipulate objects.

Heavy Booster Pack: The Heavy Booster Pack gives the Bee additional towing capacity and medium warp capability.

Sensor Pack: The Sensor Pack increases the Bees standard sensor range.

Spinner Pack: The Spinner Pack allows the Bee to spot weld and spool out cable.

Survey Pack: The Survey Pack allows the Bee to perform simple survey tasks.

Tow Hitch Pack: The Tow Hitch Pack allows the Bee to physically tow objects.

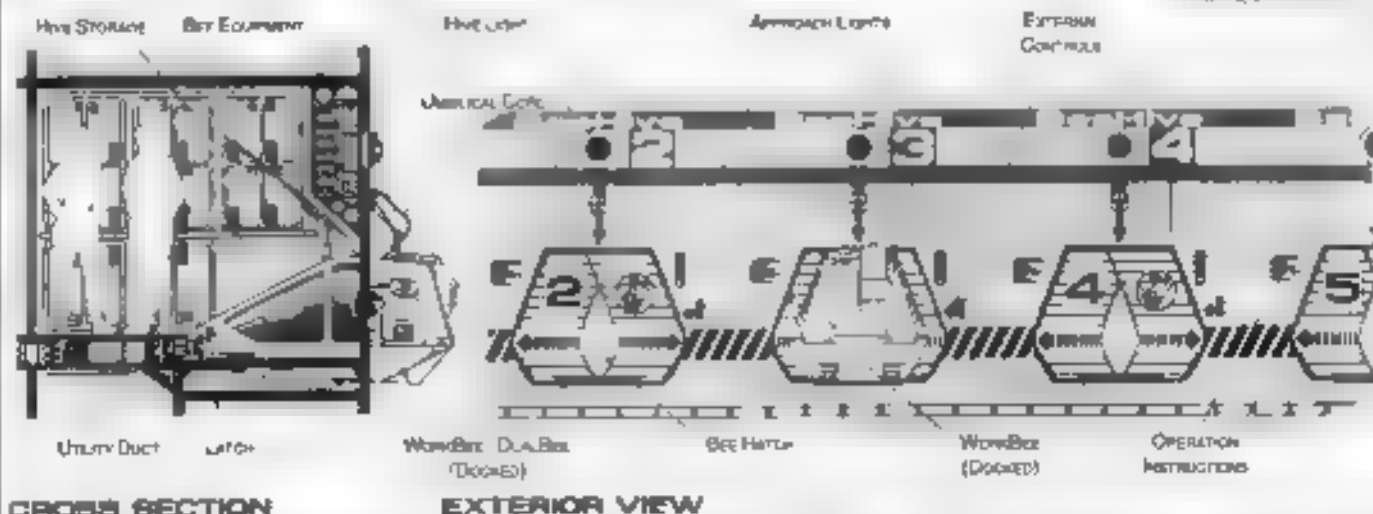
Tractor Pack: The Tractor Pack gives the Bee a tractor beam.

Welder Pack: The Welder Pack gives the Bee an external precision welder.

Beehive: The Beehive is an adjustable docking port for both DualBees and WorkBees.

Beehive [WorkBee/DualBee Docking Port]

VEEPLE
0 0.5 1 2
X 0.5 1 2

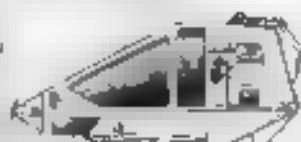


GENERAL UTILITY CRAFT

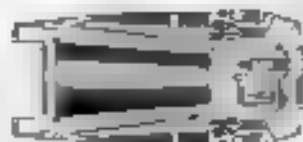


WorkBee

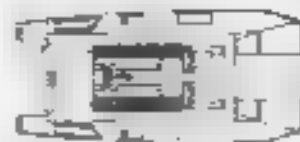
METERS
0 0.5 1 2
SCALE 70%



PORT PROFILE



TOP PROFILE



BOTTOM PROFILE



FRONT PROFILE



REAR PROFILE

WorkBee

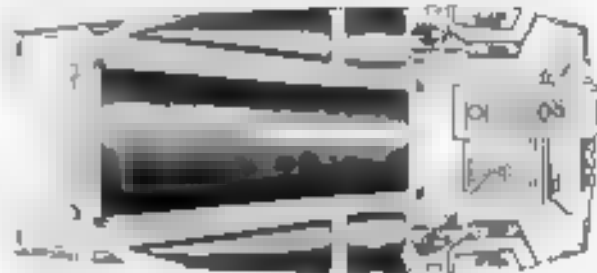
Enlarged for Clarity

METERS
0 0.5 1
SCALE 70%

SIDE PORTS

VIEWPORT
No. 11

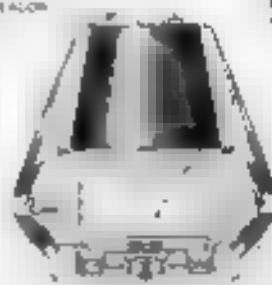
PORT PROFILE

Life Support
Emergency AccessRear View
Life Support
Tanks 6m

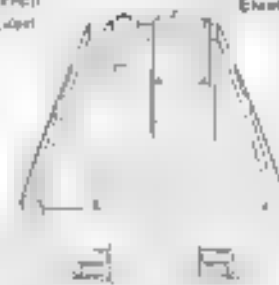
BOTTOM PROFILE

Communication
Bays 2mPACKAGE ATTACHMENT
CONSOLE ONPACK ATTACHMENT
CONSOLE PLANTS

TOP PROFILE

Navigation
BRACONSHUTTLEPORT
MANEUVERInternal
Elevators

REAR PROFILE



FRONT PROFILE

Class Emblem



Craft Silhouettes

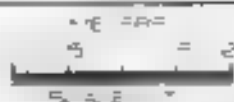
Total Target Area 0.88 m²Front Silhouette
Area 1.10 m²Port Silhouette
Area 0.82 m²Top Silhouette
Area 0.91 m²



GENERAL UTILITY CRAFT

WORKBEE CLASS

Side Profile



Viewport
Hatch

Reaction
Control
Thrusters

Navigation Beacon



TOP PROFILE

Impulse Engine

PORT PROFILE



PACKAGE ATTACHMENT
CONTROL TOP



FRONT PROFILE

SHUTTER
HEADLIGHT



REAR PROFILE

BOTTOM PROFILE

Class Emblem



DualBee

Craft Silhouettes

Total Target Area 7.03 m²



Front Silhouette
Area 1.28 m²



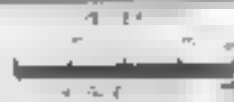
Port Silhouette
Area 2.89 m²



Top Silhouette
Area 2.79 m²

AssaultBee

Side Profile



Viewport
Hatch

Navigation Beacon



TOP PROFILE

Assault Bee
Hull

PORT PROFILE



Warp Engine Nozzle (2)



FRONT PROFILE

SHUTTER
HEADLIGHT



REAR PROFILE

BOTTOM PROFILE

Class Emblem



Craft Silhouettes

Total Target Area 10.98 m²



Front Silhouette
Area 1.28 m²



Port Silhouette
Area 3.89 m²



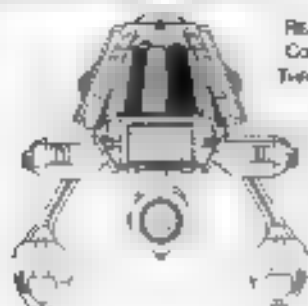
Top Silhouette
Area 5.89 m²

GENERAL UTILITY CRAFT

GENERAL UTILITY CRAFT



SuperBee

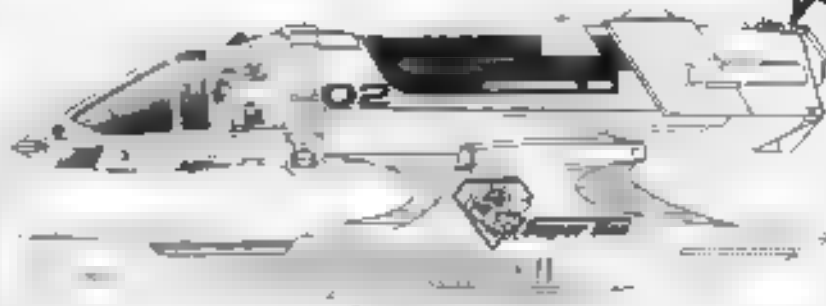


FRONT PROFILE

REACTION
CONTROL
THRUSTERS

WORKBEE

SUPERBEE HULL

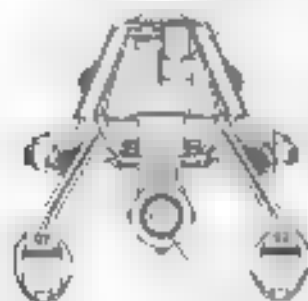


PORT PROFILE

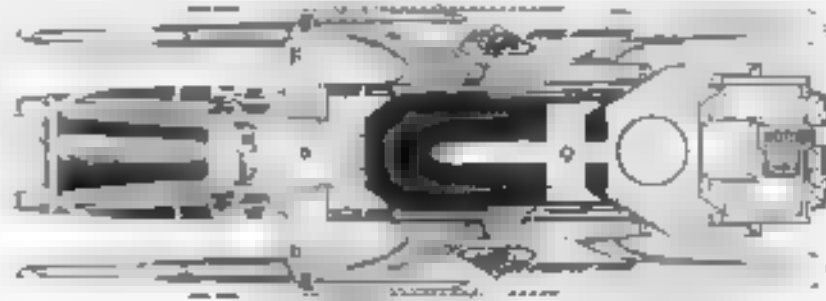
REACTION
CONTROL
THRUSTERS

WARP ENGINE NACELLE (2)

REAR ATTACHMENT AREA



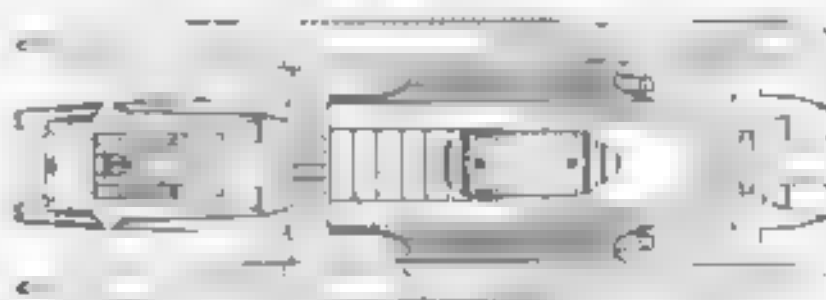
REAR PROFILE

VIEWPORT
MATCH

TOP PROFILE

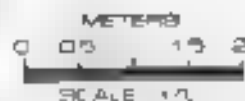
NAVIGATION BEACON

TRACTOR BEAM POOL



BOTTOM PROFILE

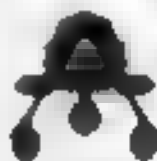
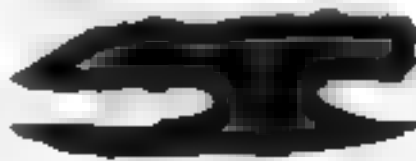
LOWER SENSOR ARRAY



SCALE 1:1

Class Emblem
SuperBee

Craft Silhouettes

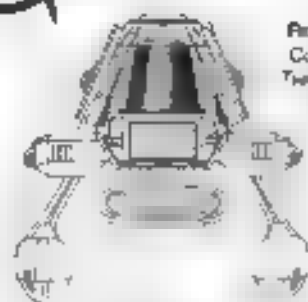
Total Target Area 23.23 m²Front Silhouette
Area 3.84 m²Port Silhouette
Area 12.48 m²Top Silhouette
Area 16.94 m²



GENERAL UTILITY CRAFT

KillerBee

WORKBEE CLASS

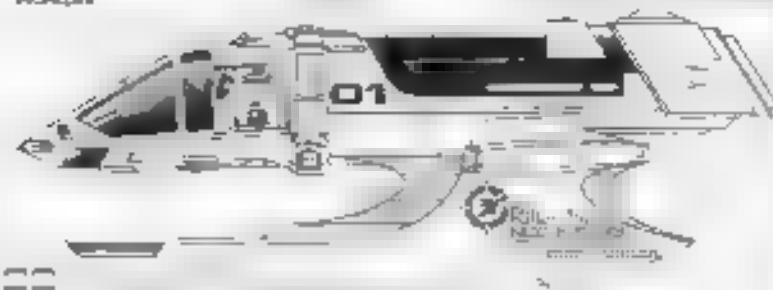


REACTION
CONTROL
THRUSTERS

FRONT PROFILE

WEAPON

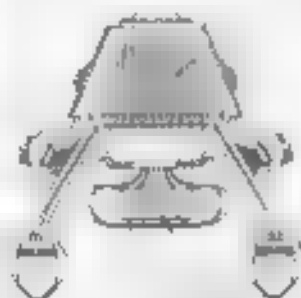
KILLERBEE HULL



PORT PROFILE

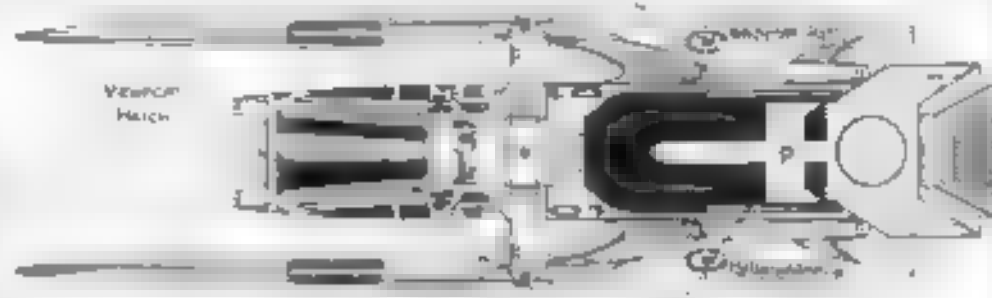
REAR VIEW
COA HULL
THRUSTERS

WARP ENGINE NOZZLE (2)



REAR PROFILE

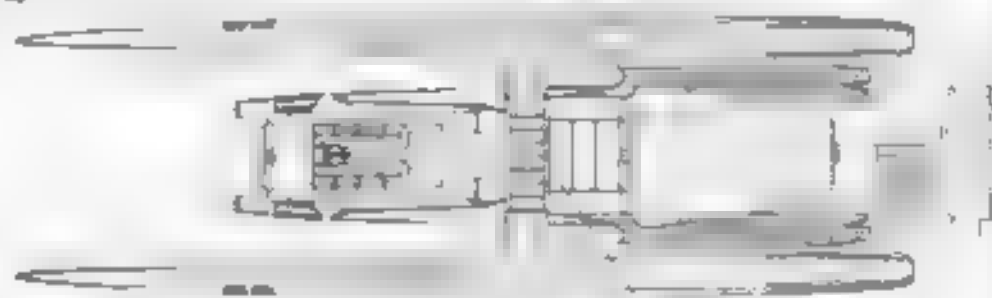
WARP ENGINE



TOP PROFILE

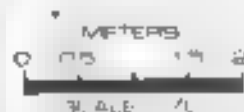
NAVIGATION BEACON

WEAPON POOL



BOTTOM PROFILE

OVER SENSOR ARRAY



Class Emblem KillerBee



Craft Silhouettes

Total Target Area 38.09 m²



Front Silhouette
Area 3.43 m²



Port Silhouette
Area 18.71 m²



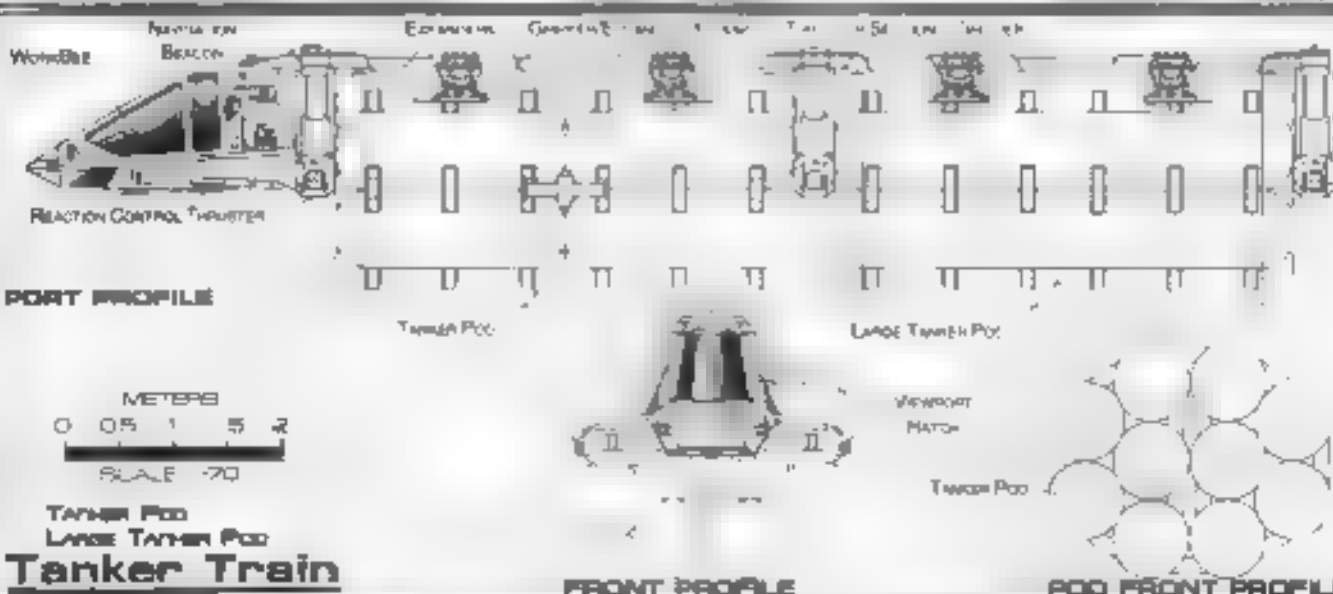
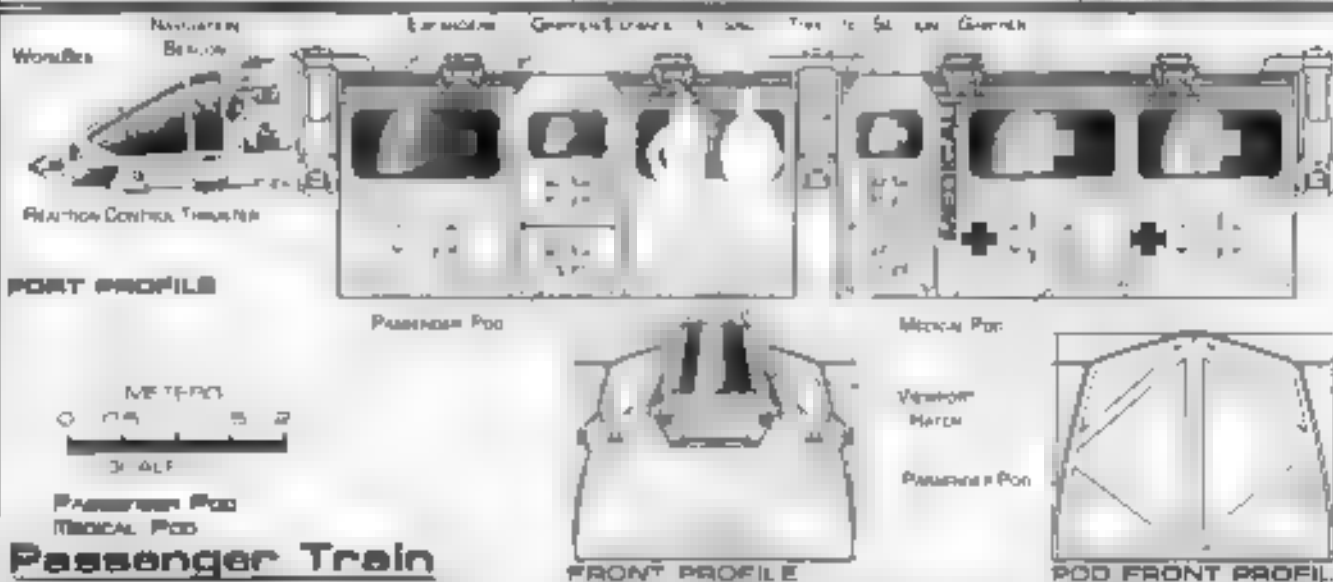
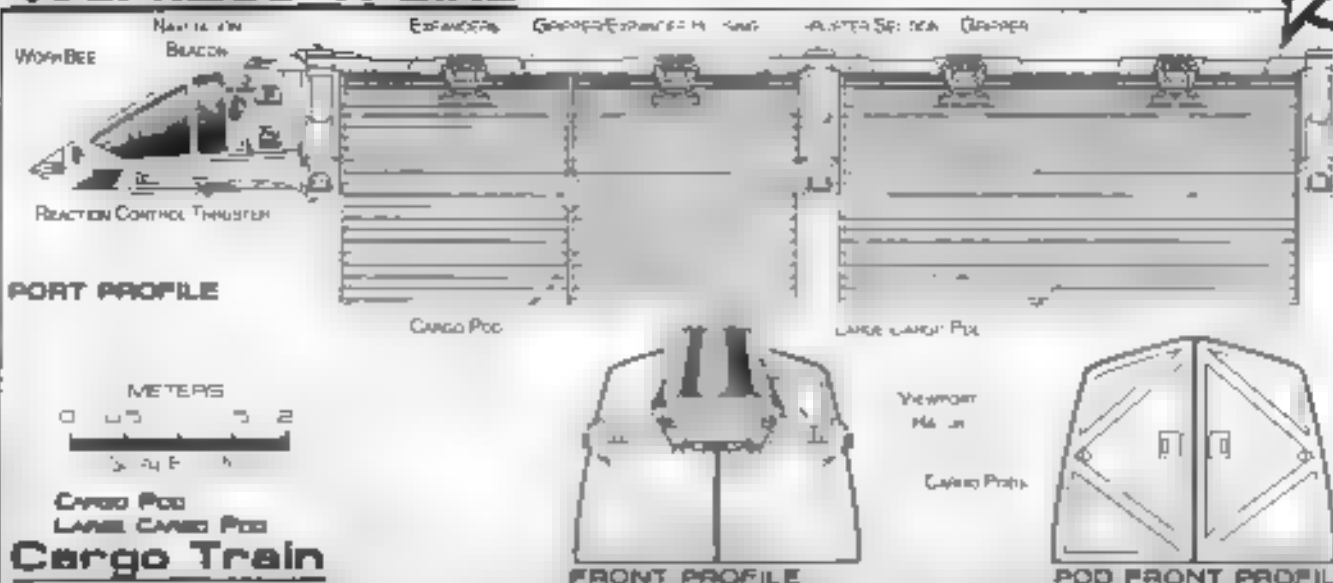
Top Silhouette
Area 15.95 m²

FEDERATION CRAFT

GENERAL UTILITY CRAFT



WorkBee Trains

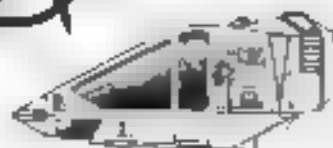




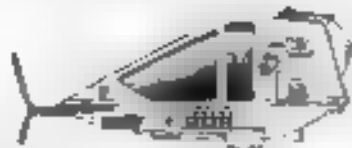
GENERAL UTILITY CRAFT

Bee Packs

WORKBEE CLASS



Booster Pack



Clamper Pack



Cutter Pack



Heavy Booster Pack



Drone Pack



Floodlight Pack



Grabber Pack



Sensor Pack



Spinner Pack



Survey Pack



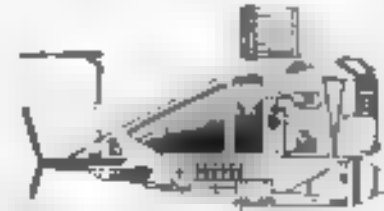
Traction Pack



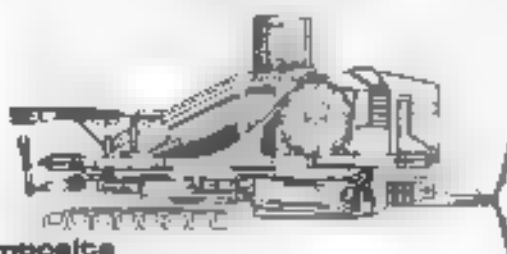
Welder Pack



Tow Hitch Pack



Composite Example 1



Composite Example 2

WorkBee Attachment Compatibility Chart



| | Tail Bee | 4-in Bee | Adult Bee | Large Bee | King Bee | Queen Bee | Princess Bee | Booster Pack | Clamper Pack | Welder Pack | Floodlight Pack | Grabber Pack | Heavy Booster Pack | Sensor Pack | Spinner Pack | Survey Pack | Tow Hitch Pack | Traction Pack | Welder Pack |
|--------------------|----------|----------|-----------|-----------|----------|-----------|--------------|--------------|--------------|-------------|-----------------|--------------|--------------------|-------------|--------------|-------------|----------------|---------------|-------------|
| Queen Bee | | | | | | | | | | | | | | | | | | | |
| 4-in Bee | | | | | | | | | | | | | | | | | | | |
| Adult Bee | | | | | | | | | | | | | | | | | | | |
| Large Bee | | | | | | | | | | | | | | | | | | | |
| King Bee | | | | | | | | | | | | | | | | | | | |
| Queen Bee | | | | | | | | | | | | | | | | | | | |
| Princess Bee | | | | | | | | | | | | | | | | | | | |
| Booster Pack | | | | | | | | | | | | | | | | | | | |
| Clamper Pack | | | | | | | | | | | | | | | | | | | |
| Welder Pack | | | | | | | | | | | | | | | | | | | |
| Floodlight Pack | | | | | | | | | | | | | | | | | | | |
| Grabber Pack | | | | | | | | | | | | | | | | | | | |
| Heavy Booster Pack | | | | | | | | | | | | | | | | | | | |
| Sensor Pack | | | | | | | | | | | | | | | | | | | |
| Spinner Pack | | | | | | | | | | | | | | | | | | | |
| Survey Pack | | | | | | | | | | | | | | | | | | | |
| Tow Hitch Pack | | | | | | | | | | | | | | | | | | | |
| Traction Pack | | | | | | | | | | | | | | | | | | | |
| Welder Pack | | | | | | | | | | | | | | | | | | | |

A Adapter Required T In Tow R Repositioned I Impaired Use

FEDERATION DATA

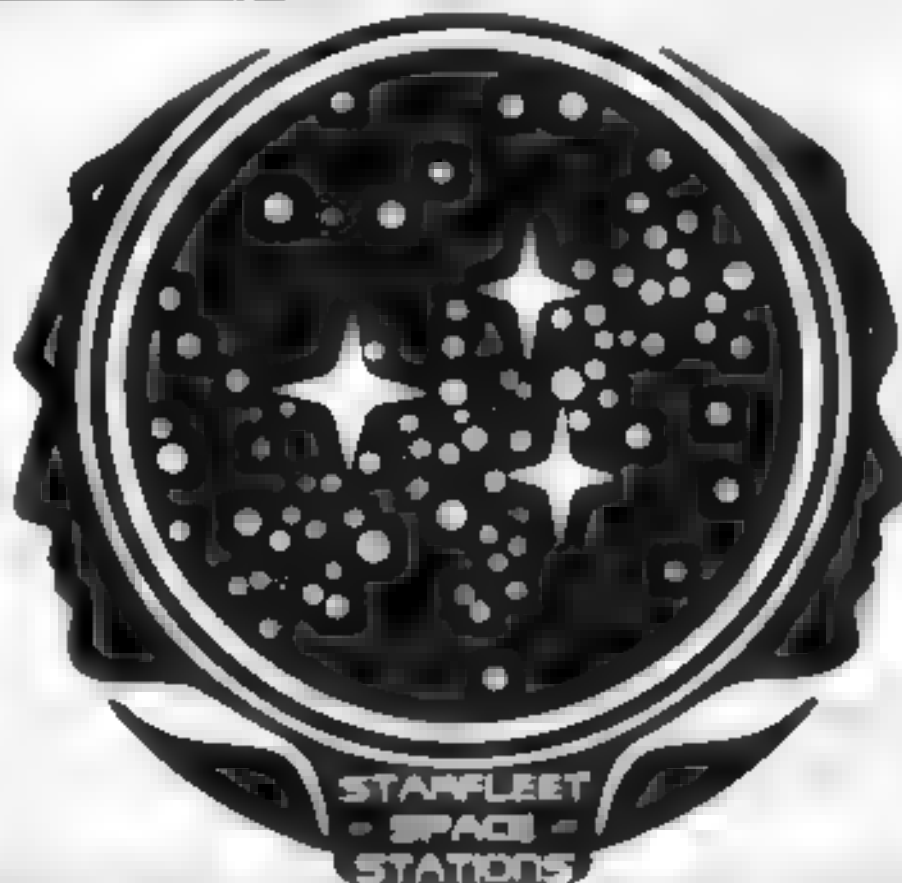


SPACE STATIONS

General Information

The Space Station missions include both research and support functions for the Federation. Research platforms, trade stations, communication arrays and spacedocks are needed to supplement the planetside resources of the Federation throughout the expanses of space.

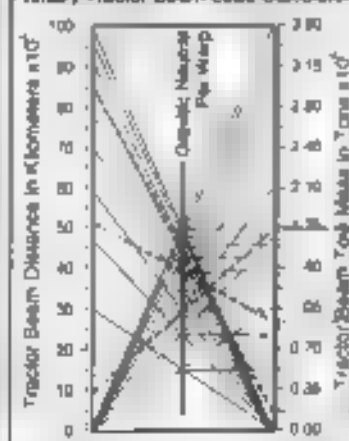
Division Emblem



Tractor Beam

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



Range: 10x 100km
Warp Factor: 5
Max Towing: 75x 10^6 tons

Range: 5x 50km
Warp Factor: 3
Max Towing: 30x 10^6 tons

Range: 0.5x 10km
Warp Factor: 1
Max Towing: 1x 10^6 tons

To use the Tractor Beam Load Calculator determine the needed factors such as distance, speed and weight. To use the calculator you must have at least two of these factors known. Here is an example. If distance and speed are known, start at the right of the graph and locate the distance mark for the range. Then look to the center to find the gravitic neutral for that speed, draw a line from the distance mark through the correct speed marking. Where the line crosses the mass line determines the maximum mass that can be towed at a given speed and range. The calculator can be used in the opposite direction to find the maximum distance or if range and distance are known a line can be drawn to determine the maximum speed that can be obtained. Each starship is unique in its distance to mass towing ratio.

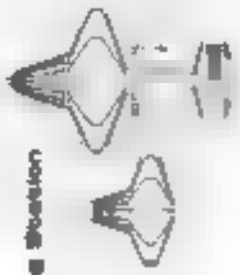
Size Comparison



Communication Station



Trading Station



SpecOps



SPACE STATIONS

GENERAL INFORMATION

FEDERATION FACILITY

Meters
0 100 200 300
SCALE 1:8000

Spacebook

COMMUNICATION STATION



General Information

Specific Role: The primary mission of the Communication Station is the relaying and boosting of Federation communications. The station is also able to monitor communications and signals, letting it fulfill its secondary mission as a monitoring facility. Often the relay locations are set up in close proximity to hostile zones as listening posts while still fulfilling their role within the Federation communication network.

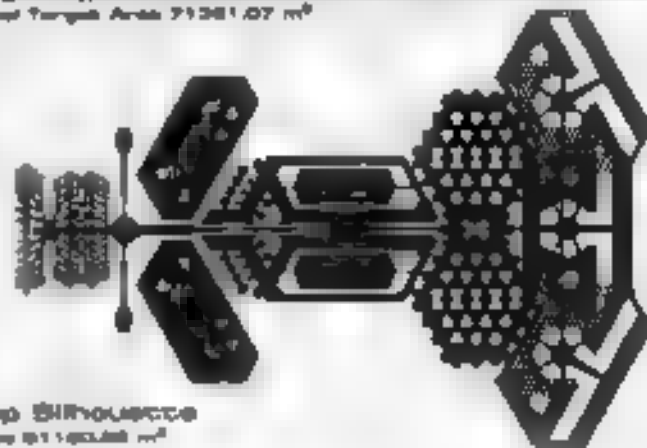
Physical Description: The standard Communication Station has 42 antennas making up 11 communication arrays: the (CA 254/8.46) ϕ Array which has 2 antennas covers the 10^{-2} 10^4 Hz frequency range; the (CA 38/8008) ξ Array which has 1 antenna covers the 10^5 10^7 Hz frequency range; the (CA 995/7995) λ Array which has 2 antennas covers the 10^7 10^9 Hz frequency range; the (CA 956/6492) ϵ Array which has 2 antennas covers the 10^3 10^4 Hz frequency range; the (CA 894/4118) ω Array which has 2 antennas covers the 10^4 10^6 Hz frequency range; the (CA 256/240) α Array which has 1 antenna covers the 10^4 10^5 Hz frequency range; the (CA 71/2248) β Array which has 2 antennas covers the 10^7 10^9 Hz frequency range; the (CA 134/2.87) β Array which has 1 antenna covers the 10^{-1} 10^0 Hz frequency range; the (CA 78/2.87) γ Array which has 1 antenna covers the 10^{-1} 10^0 Hz frequency range; the (CA 152/71) γ Array which has 2 antennas covers the 10^{15} 10^8 Hz frequency range; and the (CA 2/24) ϕ Array which has 16 antennas covers the 10^8 10^{22} Hz frequency range. The antennas are supported by a SS438 S-C34 spine which houses the support equipment and living quarters for the facility. Located below the spine is the (SH48 S S2) engineering section which contains the MH4 2C intermix chamber and (AMH/4H 4E) matter/antimatter storage tanks. These tanks are located towards the lower rear of the engineering section for emergency jettisoning. Located above the spine is the SH22 C S1 command section which contains the command control and communication equipment. Positioned to each side of the spine are two SH46/H S5 launch hanger decks located away from the sensor arrays.

Class Emblem



Facility Silhouettes

Total Target Area 71381.07 m²



Top Silhouette
Area 81183.88 m²



Port Silhouette
Area 5798.89 m²



Front Silhouette
Area 4473.85 m²



Command: `5c7`

Engineering Services

Station Score

PORT PROFILE

TOP PROFILE

◎ 九龍區

2000

210. 0000



Houston Deck, 25

METER

0 20 40 60 80

1. Summary: 21
 2. Summary: 21
 3. Summary: 21

4. *deputat* 921

2. Answer (2)
page 10
100% correct

Statistics

TABLE 1

Source Identification:

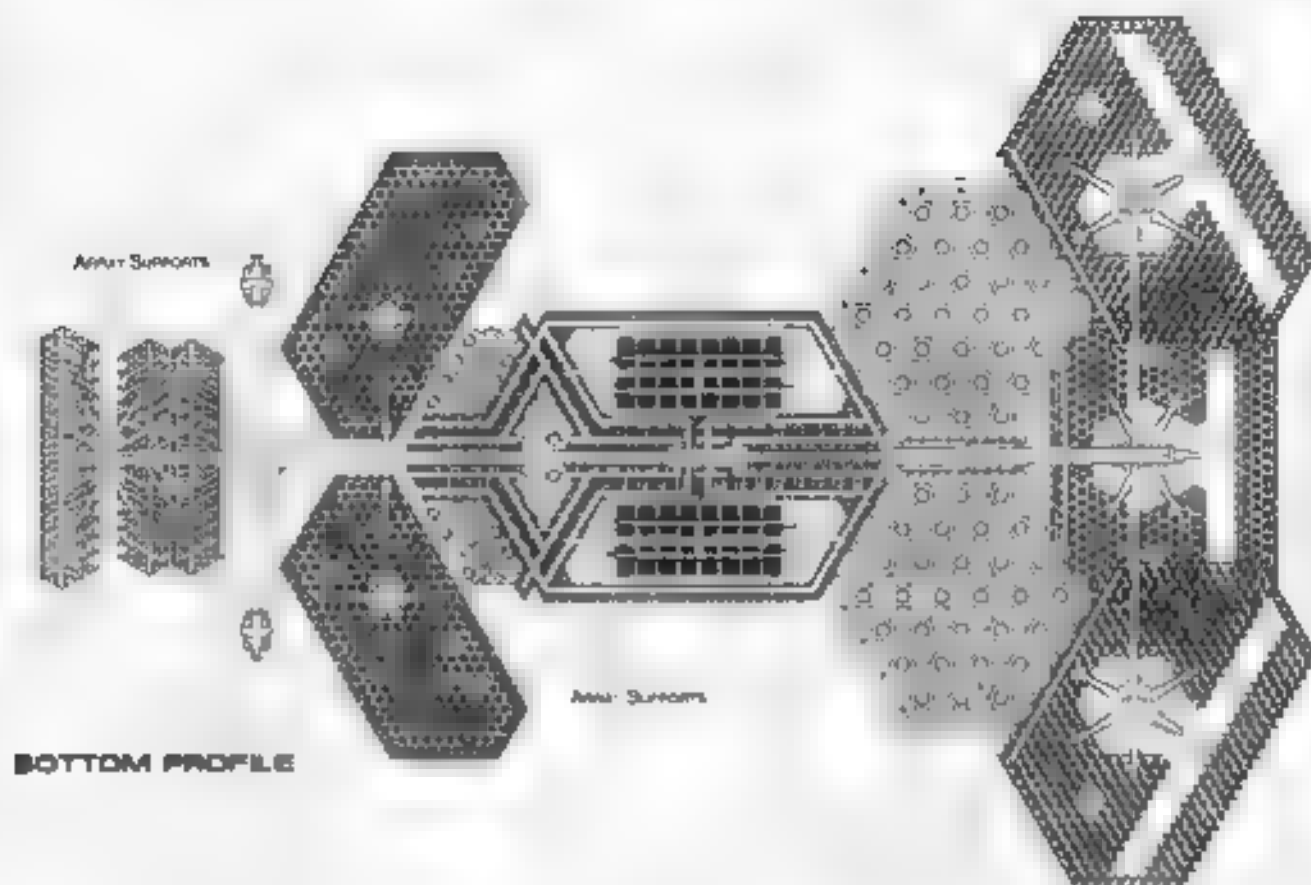
Zusammenfassung: [50 Zeichen]

FEDERATION FACILITY

COMMUNICATION STATION



DESIGN CLASS



BOTTOM PROFILE



FRONT PROFILE

STATION SIZE

COMMUNICATION
ARRAY



REAR PROFILE

STATION SIZE

METERS
0 10 20 30 40 50

FEDERATION FACILITY



COMMUNICATION STATION

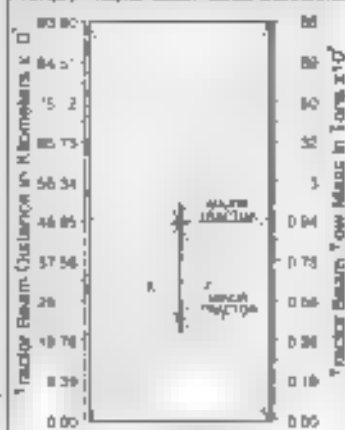
Facility Names

THE FOLLOWING FACILITIES OF THE TYPE E CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2200.2

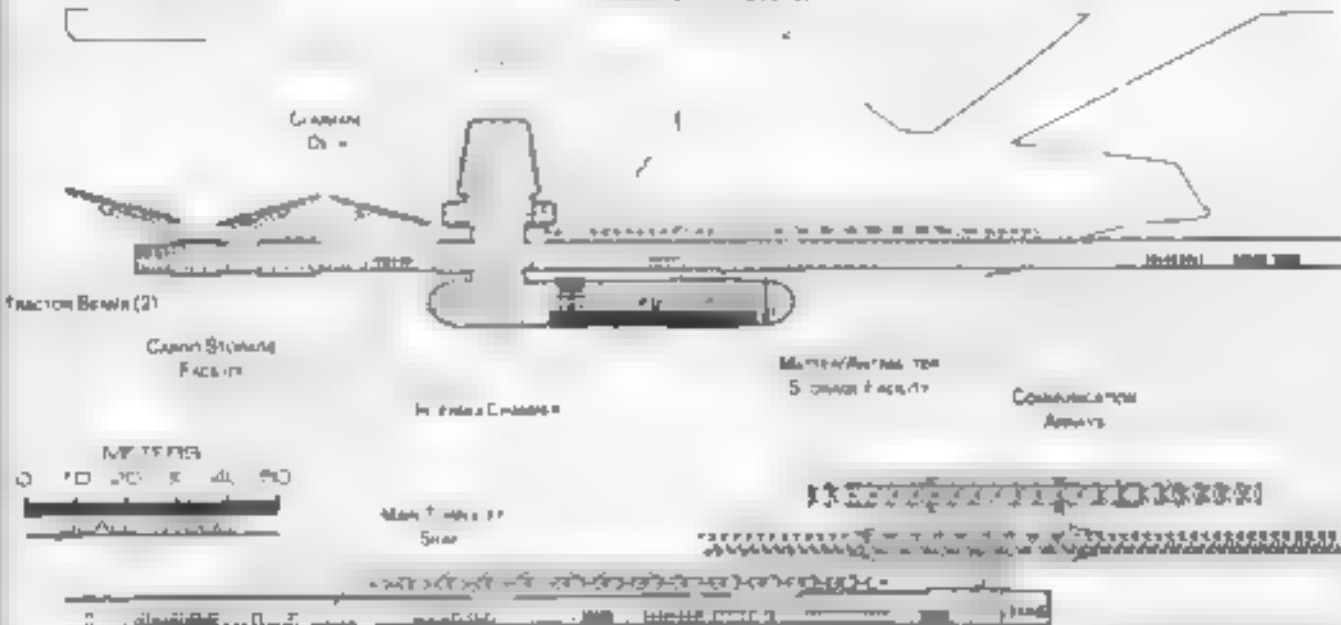
| Facility Name | Location | Operator | Status |
|-----------------|-----------------|-----------------|--------|
| Alpha Station | Alpha Station | Alpha Station | Active |
| Beta Station | Beta Station | Beta Station | Active |
| Gamma Station | Gamma Station | Gamma Station | Active |
| Delta Station | Delta Station | Delta Station | Active |
| Epsilon Station | Epsilon Station | Epsilon Station | Active |
| Zeta Station | Zeta Station | Zeta Station | Active |
| Eta Station | Eta Station | Eta Station | Active |
| Theta Station | Theta Station | Theta Station | Active |
| Iota Station | Iota Station | Iota Station | Active |
| Kappa Station | Kappa Station | Kappa Station | Active |
| Lambda Station | Lambda Station | Lambda Station | Active |
| Mu Station | Mu Station | Mu Station | Active |
| Nu Station | Nu Station | Nu Station | Active |
| Xi Station | Xi Station | Xi Station | Active |
| Omicron Station | Omicron Station | Omicron Station | Active |
| Pi Station | Pi Station | Pi Station | Active |
| Rho Station | Rho Station | Rho Station | Active |
| Sigma Station | Sigma Station | Sigma Station | Active |
| Tau Station | Tau Station | Tau Station | Active |
| Upsilon Station | Upsilon Station | Upsilon Station | Active |
| Phi Station | Phi Station | Phi Station | Active |
| Chi Station | Chi Station | Chi Station | Active |
| Psi Station | Psi Station | Psi Station | Active |
| Omega Station | Omega Station | Omega Station | Active |

Tractor Beam Specifications

Primary Tractor Beam Load Calculator

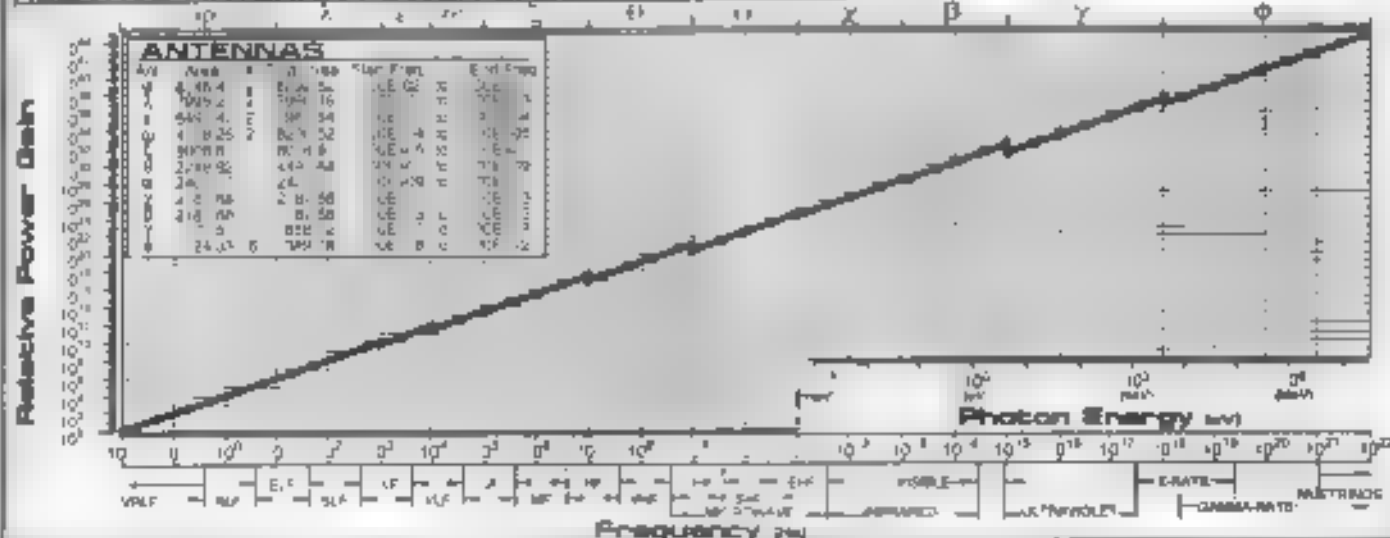


CLASS FACILITY, "LOST IN THE LINE OF DUTY." PROPOSED ALL NAMES RECORDED WITH "JEF"



CROSS SECTION ENLARGED FOR CLARITY

RELATIVE ANTENNA POWER GAIN VS FREQUENCY





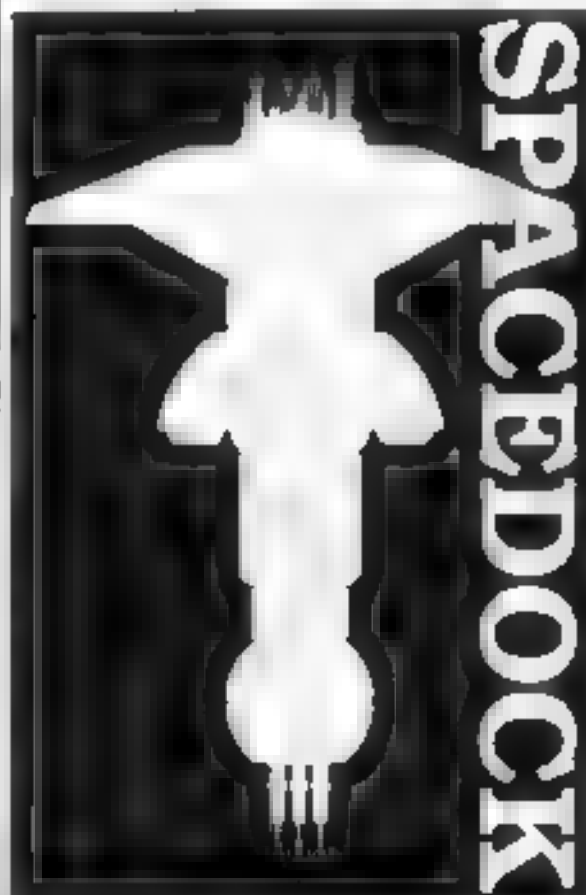
SPACEDOCK

General Information

Specific Role: Spacedocks play a multifaceted role in Federation culture. They are cities in space, research facilities, shipyards, and Federation administration hubs.

Physical Description: The Spacedock is made up of 9 vertically stacked modular sections. In the standard configuration the upper section is the (SS128K/F-A1) A1 Administration Section which provides computers, records and administration facilities. Below this is the (SS1025K/F-D1) D1 DryDock Section which provides extensive starship and spacecraft maintenance facilities. The DryDock is able to shelter 38 heavy cruisers. Below the DryDock is the (SS205K/F-H2) H2 Habitat Section which contains living quarters and recreational facilities. The (SS42K/F-H1) H1 Habitat Section, which contains living quarters, botanical section and recreational facilities, is directly below the H2 section. Below this is the (SS29.1K/F-H2) H2 and (SS205K/F-R1) R1 Research Sections containing extensive laboratories and research facilities. Below the research sections are the communication sections: the (SS258K/F-C1) C1 Communication Section, and (SS102K/F-C2) C2 Communication Tower Section, (SS102K/F-C3) C3 Communication Tower Section or a (SS98K/F-C4) C4 Communication Tower Section. The C1 Communication Section houses communication stations and an extensive communication resonant amplification chamber which is used for long range communications. The C2, C3 and C4 towers are used for standard communications.

Class Emblem



Facility Silhouettes

Total Target Area 29,992,429.48 m²

Side Silhouette
Area 6,212,213.67 m²



Top/Bottom Silhouette
Area 16,513,209.48 m²



METERS
0 300 600 900
SCALE 1:3,000

Administration
Section

Approach Sensor

Dry Dock
Doors

SIDE PROFILE

Deflector Grid

Hangar Bay

Hangar Bay

EMERG. ACCUMULATORS

Statistics

Classification: Space dock
Category: Space Station
Class: J-100
Type: Base
Model: J-100
Naval Construction Contract: 9
Number Proposed: 7
Number Under Construction: 2
Number In Service: 2
Number Lost: 0
Dimensions:
Overall Dimensions (Meters)
Length: 4000 M
Width: 6000 M
Height: 10000 M
Displacement (Metric Tons)
Light: 4.8 x 10¹⁰
Standard: 5.2 x 10¹⁰
Full Load: 5.8 x 10¹⁰

Performance:
Secondary Reactor Output: 5.0 x 10¹⁴ W
Primary Reactor Output: 2 x 10¹⁵ W
Duration (Years)
Standard: 10 Years
Maximum: 10 Years
Max. Ship Complement: 10⁴ 436
Officers: 5 432
Crew (Ensign Grade): 25 03
Troops: 900
Passengers: 24,000
Emergency condition: +36,000
Medical Facilities:
Doctors: 900
Nurses: 9450
Operating Rooms: 900
Beds: 9450

Laboratory: 900
Transport Total: 917
1 Person: 20
2 Person: 210
3 Person: 500
12 Person: 5
32 Person: 24

Communications
Facilities

Restroom Bay

Shuttlecraft Standard: 2 780
Work Bay: 780
Travel Pods: 780
Aerobic Shuttle: 98
Light Shuttle: 303
Standard Shuttle: 600
Heavy Shuttle: 70
Cargo Shuttle: 600
Assault Shuttle: 90
BBS: 100
Light Fighter: 80
Fighter: 80
Heavy Fighter: 12
Lifeboats: 14,403
TurboLift (4 person): 2 500
Lifeboat (10 person): 4 600
Lifeboat (30 person): 5 500
Lifeboat (30 person): 2 500

Communications: 10
Type: See Design Specifications
Type: See Design Specifications
Shield Rating:
Holdoff Power: 2.8 x 10¹³ W
Refresh Rate: 8.2 x 10¹² W
Breakdown Rate: 9.42 x 10¹² W
Shield Dimensions (Meters)
Length: 5000.00m
Width: 5000.00m
Height: 7200.00m

Weapons:
Beam (Phasers) Total: 200 banks 2 each
Output: 5.0 x 10¹⁴ W 2.8 x 10¹³ W
Range: 2.5 x 10¹⁰ km
Rate of Fire: 30 ppm. Cont.
Beam (MegaPhasers) Total: 40
Output: 2.8 x 10¹⁴ W 1.3 x 10¹³ W
Range: 1.0 x 10¹⁰ km
Rate of Fire: 15 ppm. Cont.
Torpedoes (Photon) Total: 20 Bay 2 each
Stock: 4000
Range: 2.0 x 10¹⁰ km
Output: 10-50 Megatons
Rate of Fire: 10 ppm

Small Cargo: 24
Medium Cargo: 18
Large Cargo: 3
Super Cargo: 2
Super Cargo: 1 (Spec'd)
Beds: 1000
Restrooms: 4025
Tractor Rooms: 30
Tow Capacity: 27x 10¹⁰ W
Max Range: 5.0 x 10¹⁰ km

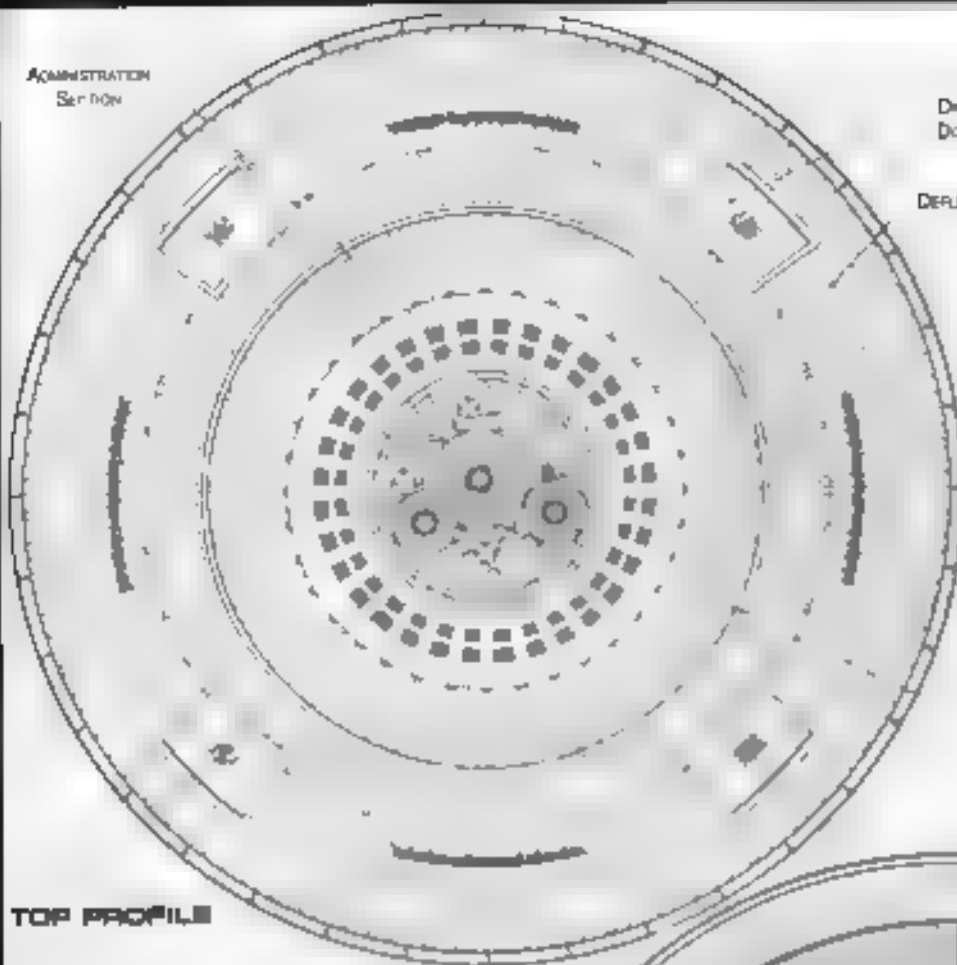
Cargo Specification:
Standard Cargo Unit: 19 542
Cargo Capacity: 5.8 x 10¹⁰ W
Shuttlecraft Specification:
Docking Ports: 10
Shuttlecraft Bays Total: 180
Small Bay: 30
Medium Bay: 50
Large Bay: 20
Super Bay: 10

SPACEDOCK

JOURNAL CLASS



ADMINISTRATION
SECTION

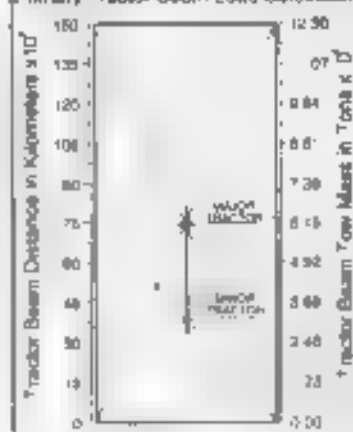


Dir Drive
Doors (4)

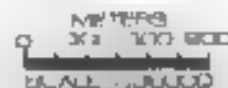
DEFLECTOR GRID

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



COMMUNICATION
ARMOR



COMMUNICATION
TOWERS

TOP PROFILE

Dir Drive
Emergency Doors

Facility Names

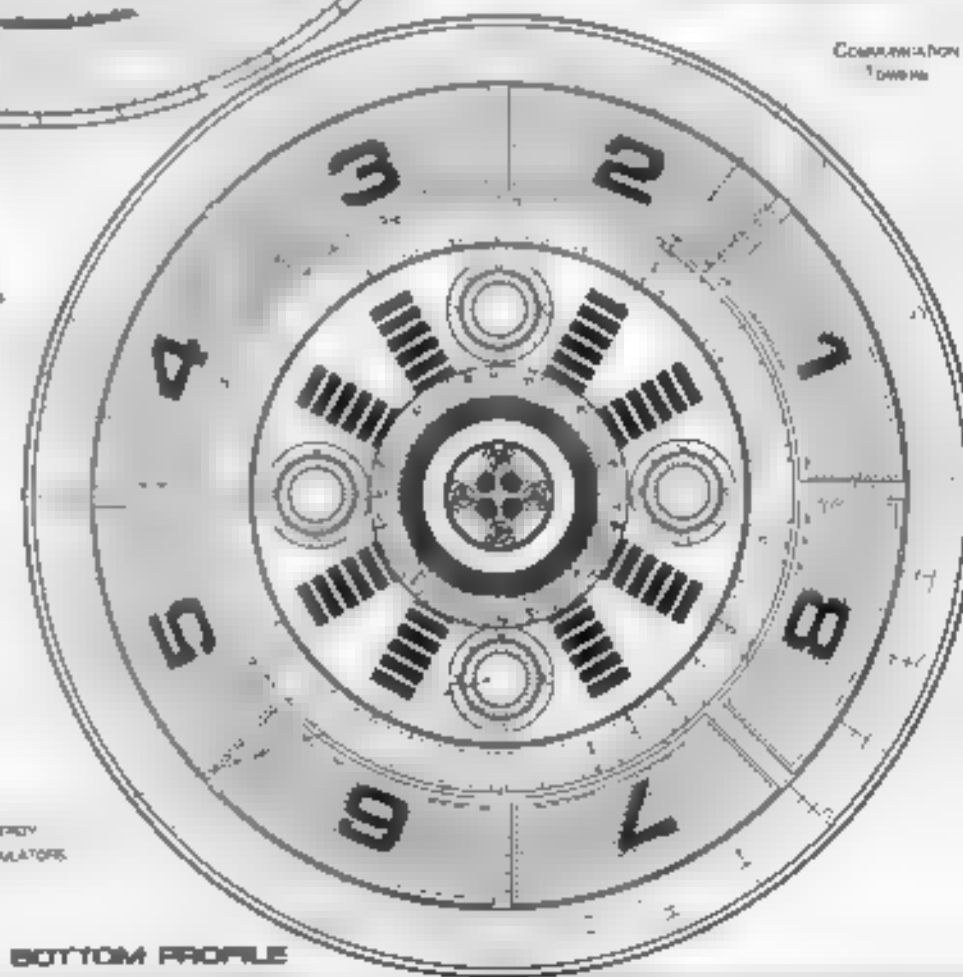
THE FOLLOWING FACILITIES OF THE TYPE D CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 22649

ALPHA CENTAR PORT 4-8
BATHYR F. AERE PORT 4-3
MAGE AND WART 4-9
OLYMPUS PORT 4-5
RIGEL PORT 4-2
RIGEL PORT 4-8
N. AIRBASE 3 4-4
STARBASE 34 4-1
STARBASE 4 4-2
STARBASE 52 4-5
STARBASE 54 4-9
STARBASE 78 4-10

CLASS FACILITY LOST IN THE LINE OF DUTY. PROPOSED ALL NAMES PRECEDED WITH "LOST"

ENERGY
ACCUMULATORS

BOTTOM PROFILE



FEDERATION FACILITY



SPACEDOCK

JOURNAL CLASS

CROSS SECTION ENLARGED FOR CLARITY

A1 Section
Administration

Dry Dock

D1 Section
Dry Dock

Light Craft
Platforms

Recreation
Area

Botanical
Section

H2 Section
Habitat

H3 Section
Habitat

I1 Interface

Energy
Accumulators

R2 Section
Research

Neut. Gravit.
Chamber

I2 Interface

Particle
Accelerator
Chamber

R1 Section
Research

Laboratory

Combustion
Resonant
Amplification
Chamber

C1 Section
Communication

Communication
Towers

C2/C3/C4 Section
Communication
Towers

FEDERATION FACILITY



General Information

Specific Role: Spacelabs are designed for extensive on location research. The research facilities onboard spacelabs provide the Federation's scientific community with a wealth of new information. The onboard facilities are designed with versatility in mind in order to meet multiple and varied research mission requirements.

Physical Description: The Spacelab is made up of a central hub and four exterior configurable research platforms attached underneath by a connecting ring. The central hub is comprised of three sections: the (SS325 X S2) main section, the (SS48 R44) connecting ring, and the (SS298 R45) chemical storage facilities. In the main section the communication array, administration section, hangar deck, living quarters and main laboratory bay are all housed. The connecting ring contains the ship's feeding section and connections to the (SS129 X XX3) research platforms and chemical storage facilities. Inside the engineering ring is the (MT30/12 ZA) torus, intermix chamber and (AM4 48 4K) matter/anti-matter storage tanks. The chemical storage facility houses the chemicals that are used by the facility.

Class Emblem

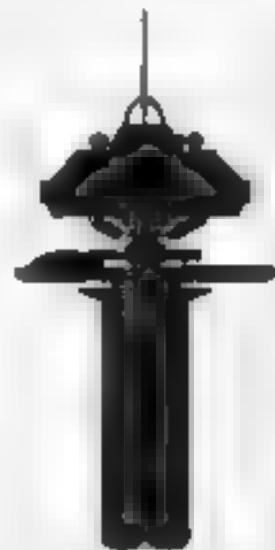


Facility Silhouettes

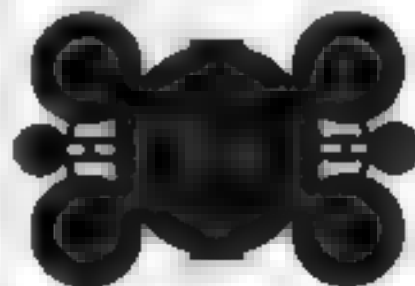
Total Target Area 30000.18 m²



Front Silhouette
Area 9999.94 m²



Port Silhouette
Area 9999.99 m²

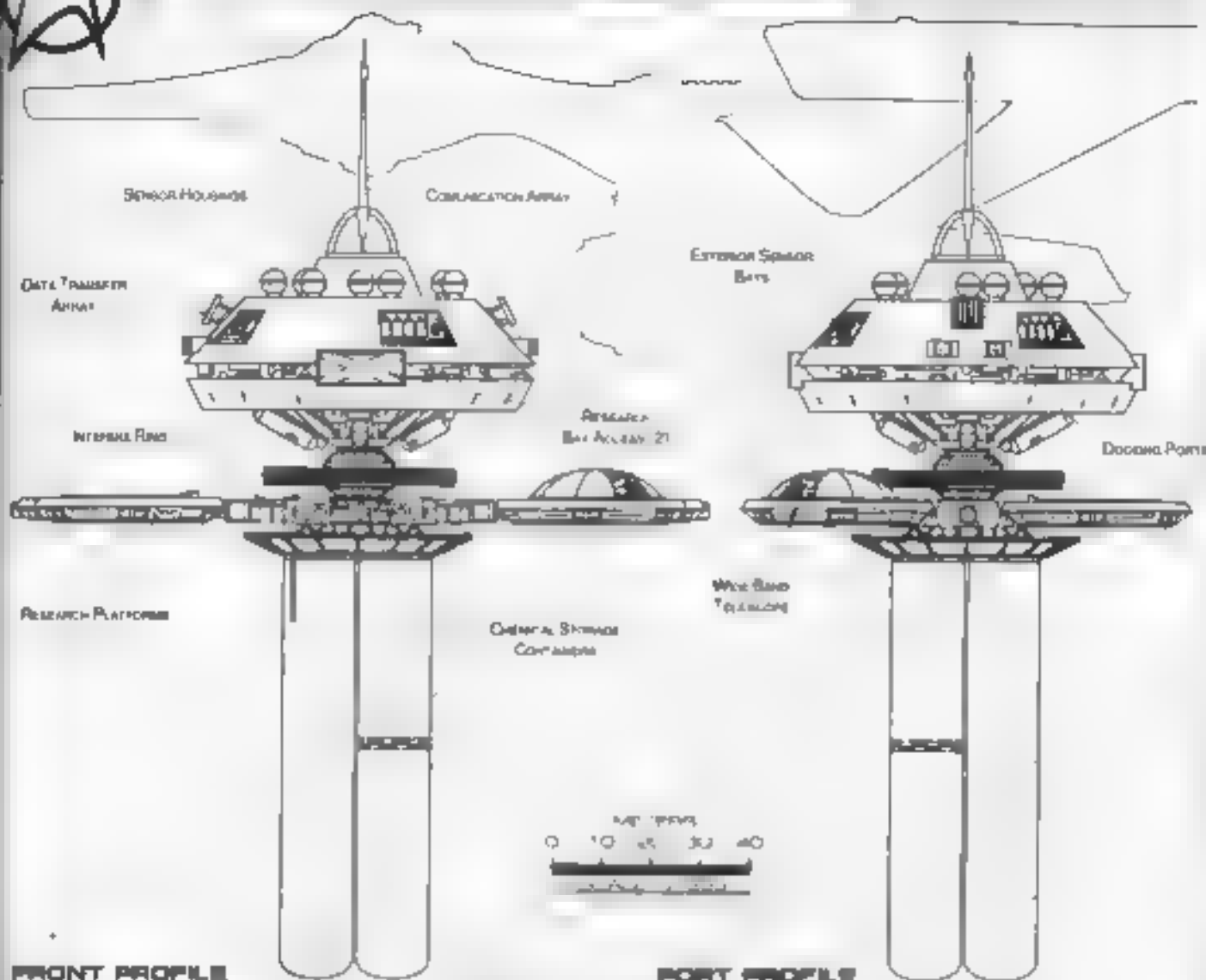


Top Silhouette
Area 10000.24 m²



SPACELAB

REGULA CLASS



Statistics

Classification: Science
Category: Space Station
Class: Regula
Type: Class 3
Model: vps R
Naval Construction Contract: 9
Number Proposed: 82
Number Constructed: 62
Number in Service: 61
Number Lost: 0

Dimensions:
Overall Dimensions (Meters):
Length: 92.41m
Width: 43.47m
Height: 103.12m
Displacement (Metric Tons):
Light: 94,797mt
Standard: 101,564mt
Full Load: 3,378mt

Performance:
Secondary Reactor Output: 2.4×10^{13} W
Primary Reactor Output: 1.8×10^{15} W
Duration (Years):
Standard: 10 Years
Maximum: 40 Years
Std. Ship Complement: 630
Crew: 2

Crew (Design Grade): 61
Troops: 0
Passengers: 5
Emergency condition: 120
Medical Facilities:
Doctors: 3
Nurses: 8
Operating Rooms: 2
Beds: 8

Information: 8
Transporters: 10
1 Person: 0
2 Person: 0
4 Person: 2
12 Person: 0
22 Person: 0
Small Cargo: 2
Medium Cargo: 0
Large Cargo: 0
Super Cargo: 0

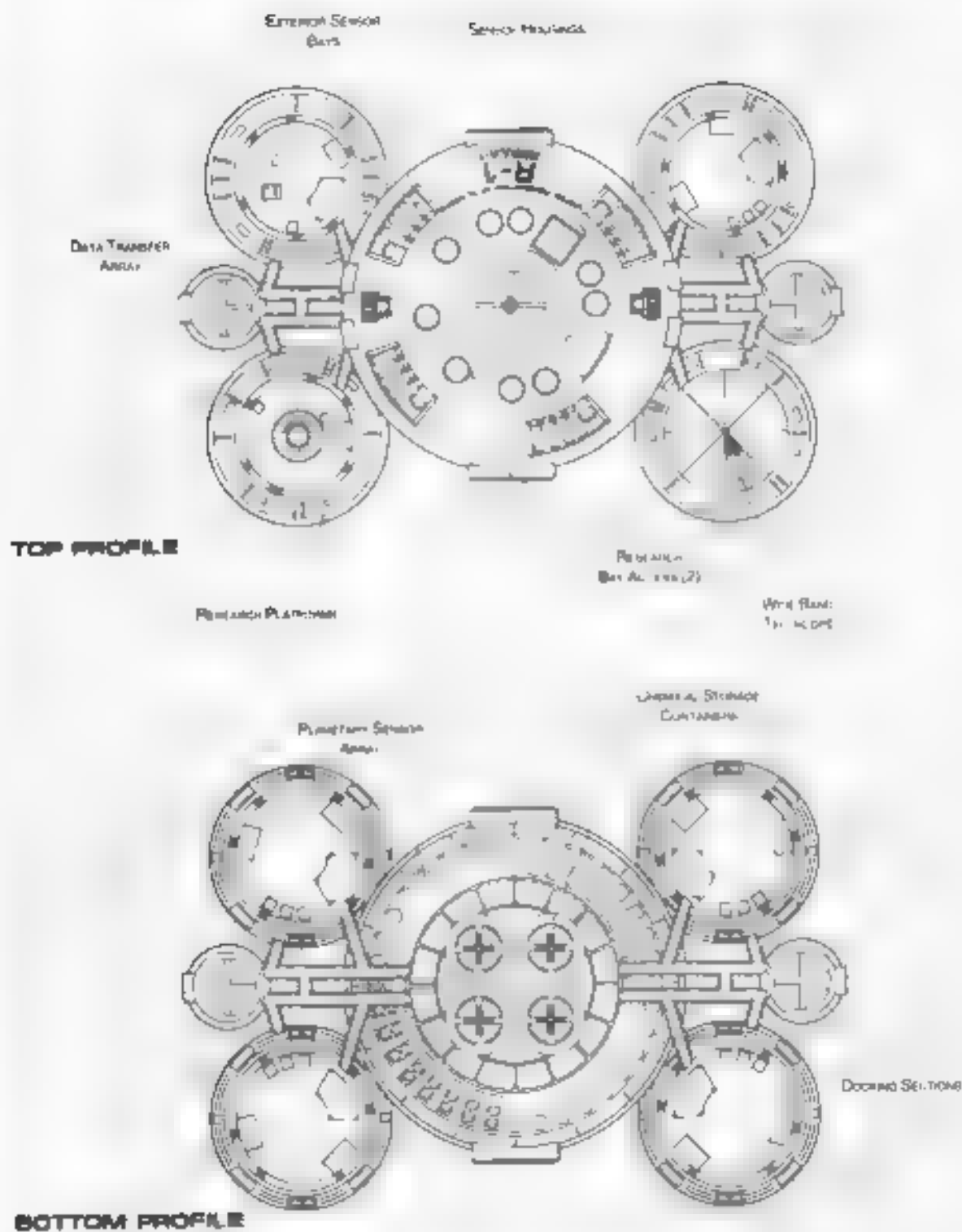
Arm: 2
Systems: 12
Reaction Time: 1
Ton Capacity: 1.0×10^{10} W
Ship Range: 7.8×10^{10} W

Standard Cargo Units: 70
Cargo Capacity: 500m
Shuttles: 10
Docking Ports: 2
Shuttlecraft: 10
Small Bay: 1
Medium Bay: 0
Large Bay: 0
Super Bay: 0
Shuttlecraft: 10
Work Room: 0
Travel Pods: 0
Aquatic Shuttle: 0
Light Shuttle: 0
Standard Shuttle: 1
Survey Shuttle: 1
Cargo Shuttle: 0
Assault Shuttle: 0
Killer Shuttle: 0
Fighter: 0
Survey Fighter: 0
Lifeboats: 1
Turbo-Lift (1 person): 4
Lifeboat (10 person): 2
Lifeboat (20 person): 0
Lifeboat (30 person): 0

Comms: 2
Type: Deytron Outboard III
Type: Deytron Outboard II
Shield Rating:
Shield Power: 2.15×10^{17} W
Refresh Rate: 6.12×10^{-10} W
Breakdown Rate: 7.36×10^{-10} W
Shield Dimensions (Meters):
Length: 89m
Width: 72.0m
Height: 23.74m
Weapons:
Beam (Photon) Total: 0
Output: N/A
Range: N/A
Rate of Fire: N/A
Beam (Deuteron) Total: 0
Output: N/A
Range: N/A
Rate of Fire: N/A
Torpedoes (Photon) Total: 0
Output: N/A
Range: N/A
Rate of Fire: N/A

FEDERATION FACILITY

SPACELAB



METERS
0 10 20 30 40
SCALE 1:1,000

Facility Names

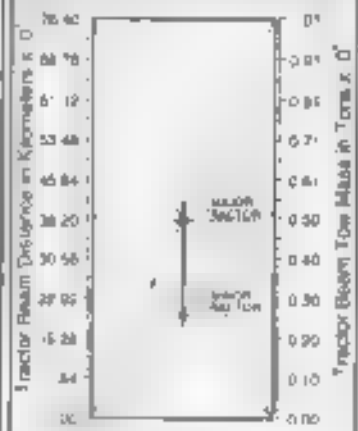
THE FOLLOWING FACILITIES OF THE TYPE R CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 8878,12

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| RE | LA | 20 | 40 | 20 | RE | LA | 20 | 40 | 20 |
| RE | LA | 21 | 40 | 20 | RE | LA | 21 | 40 | 20 |
| RE | LA | 22 | 40 | 20 | RE | LA | 22 | 40 | 20 |
| RE | LA | 23 | 40 | 20 | RE | LA | 23 | 40 | 20 |
| RE | LA | 24 | 40 | 20 | RE | LA | 24 | 40 | 20 |
| RE | LA | 25 | 40 | 20 | RE | LA | 25 | 40 | 20 |
| RE | LA | 26 | 40 | 20 | RE | LA | 26 | 40 | 20 |
| RE | LA | 27 | 40 | 20 | RE | LA | 27 | 40 | 20 |
| RE | LA | 28 | 40 | 20 | RE | LA | 28 | 40 | 20 |
| RE | LA | 29 | 40 | 20 | RE | LA | 29 | 40 | 20 |
| RE | LA | 30 | 40 | 20 | RE | LA | 30 | 40 | 20 |
| RE | LA | 31 | 40 | 20 | RE | LA | 31 | 40 | 20 |
| RE | LA | 32 | 40 | 20 | RE | LA | 32 | 40 | 20 |
| RE | LA | 33 | 40 | 20 | RE | LA | 33 | 40 | 20 |
| RE | LA | 34 | 40 | 20 | RE | LA | 34 | 40 | 20 |
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| RE | LA | 36 | 40 | 20 | RE | LA | 36 | 40 | 20 |
| RE | LA | 37 | 40 | 20 | RE | LA | 37 | 40 | 20 |
| RE | LA | 38 | 40 | 20 | RE | LA | 38 | 40 | 20 |
| RE | LA | 39 | 40 | 20 | RE | LA | 39 | 40 | 20 |
| RE | LA | 40 | 40 | 20 | RE | LA | 40 | 40 | 20 |
| RE | LA | 41 | 40 | 20 | RE | LA | 41 | 40 | 20 |
| RE | LA | 42 | 40 | 20 | RE | LA | 42 | 40 | 20 |
| RE | LA | 43 | 40 | 20 | RE | LA | 43 | 40 | 20 |
| RE | LA | 44 | 40 | 20 | RE | LA | 44 | 40 | 20 |
| RE | LA | 45 | 40 | 20 | RE | LA | 45 | 40 | 20 |
| RE | LA | 46 | 40 | 20 | RE | LA | 46 | 40 | 20 |
| RE | LA | 47 | 40 | 20 | RE | LA | 47 | 40 | 20 |
| RE | LA | 48 | 40 | 20 | RE | LA | 48 | 40 | 20 |
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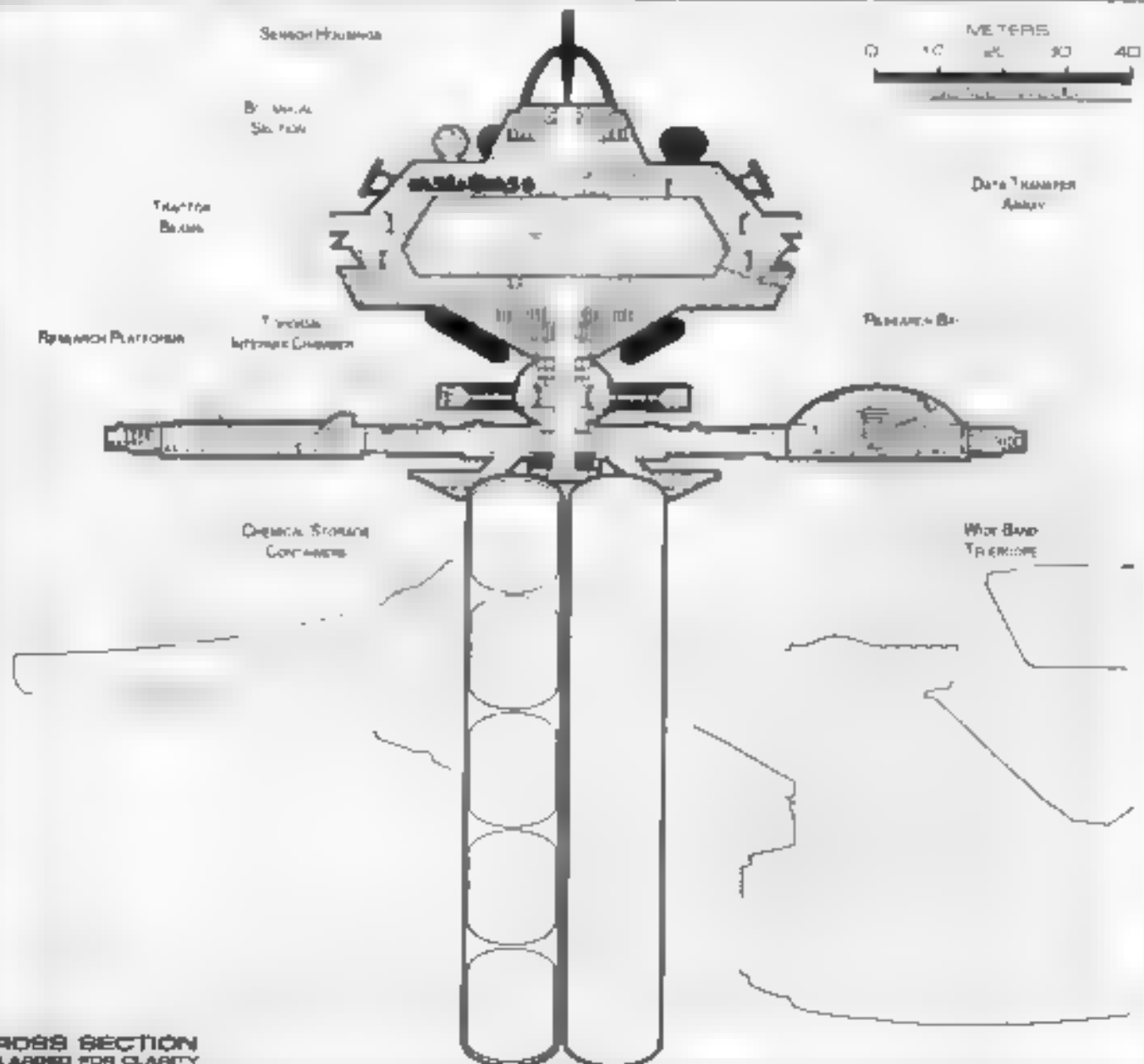
| | | | |
|------|----|----|----|
| 2000 | 1 | 5 | 4 |
| 2001 | 2 | 21 | 11 |
| 2002 | 3 | 17 | 10 |
| 2003 | 4 | 34 | 10 |
| 2004 | 5 | 29 | 10 |
| 2005 | 6 | 34 | 10 |
| 2006 | 7 | 5 | 10 |
| 2007 | 8 | 28 | 10 |
| 2008 | 9 | 20 | 11 |
| 2009 | 10 | 10 | 10 |
| 2010 | 11 | 6 | 10 |
| 2011 | 12 | 12 | 10 |

Tractor Beam Specifications

Primary Tractor Beam Load Calculation



CLASS FACILITY. "LOST IN THE LINE OF DUTY" EMPLOYED. ALL NAMES PRECEDED WITH "U.S."



CROSS SECTION
ENLARGED FOR CLARITY

SRM2 03:02:03:04

STARFLEET REFERENCE MANUAL

TRADING STATION



General Information

Specific Role: Trading Stations are designed for extensive cargo handling and to provide recreational facilities for passing ships. Cargo handling and transshipping facilities at remote locations enhance vital trade routes throughout the Federation. Comprehensive recreational facilities are provided for the relaxation of the crews of various species during cargo transfers and lay overs.

Physical Description: The Trading Post consists of a central hub and three exterior habitats which are attached radially by connecting arms. The central hub is made up of three sections: the (SS728/T S2) main hub, the (SS432/T S9) connecting hub, and the (SS412/T S5) hangar deck. The main hub contains the communication array, administration and brexial sections, living quarters, recreational facilities, and engineering section. Situated inside the engineering section is an (M30/B 2E) intermix chamber and (AM8, 4A 4K) matter antimatter storage tanks. The tanks are located along the outer hull of the engineering section for emergency jettisoning. The connecting hub contains the main cargo storage facility and 27 exterior docking ports. The hangar deck is designed to accommodate a large number of shuttlecraft, both conventional and non conventional. Each (D1/587 555C) connecting arm contains extensive living quarters. Each (SS518/T A4) exterior section (Alpha, Beta and Gamma) contains additional living quarters, recreational facilities and cargo storage and handling facilities.

Class Emblem



Facility Silhouettes

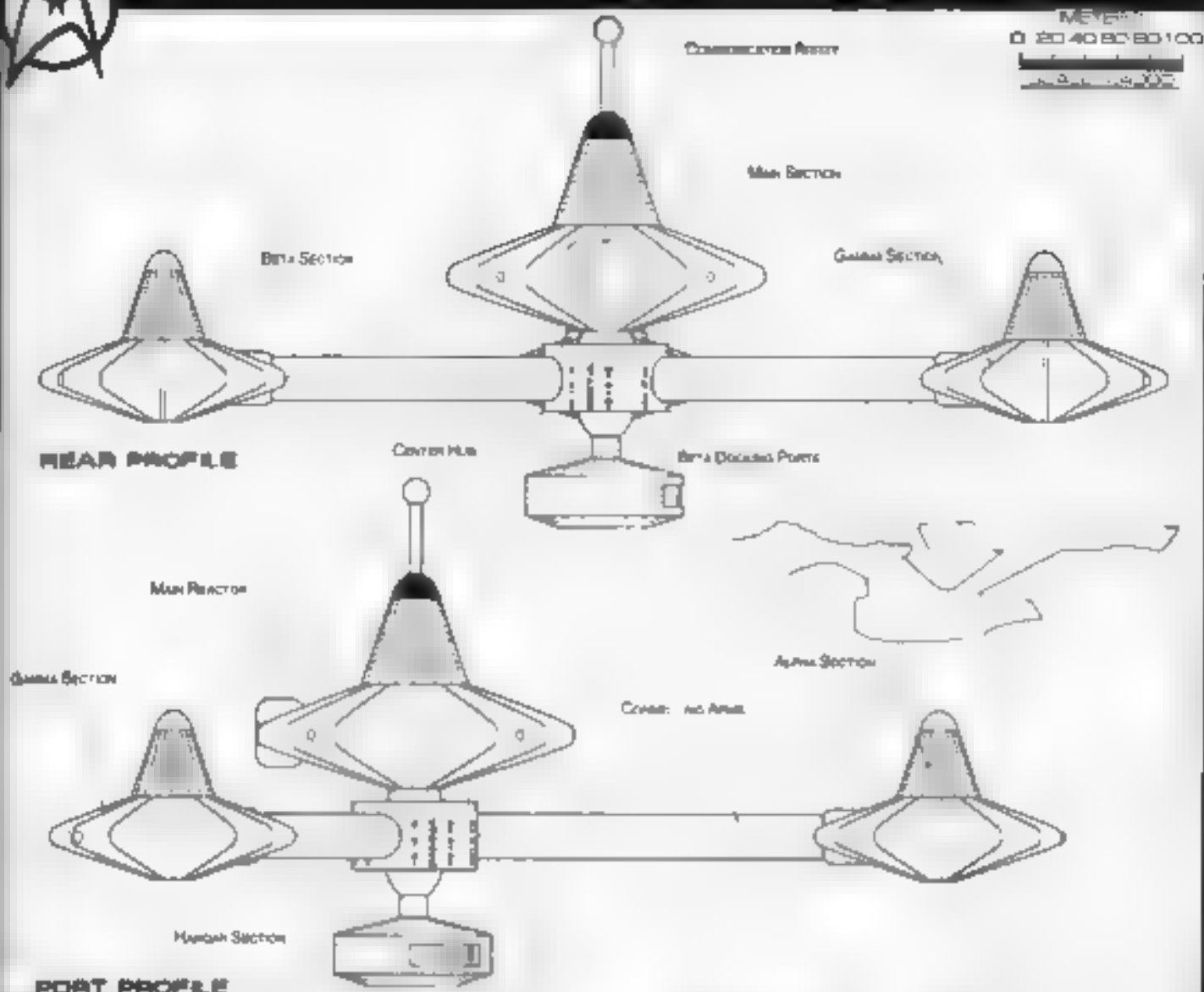
Total Target Area: 193181.88 m²





TRADING STATION

REFERENCE FACILITY



Statistics

Classification: Trading Station
Category: Space Station
Class: Kepler
Type: Class 3
Model: Type K
Naval Construction Contract: K 1
Number Proposed: 96
Number Constructed: 96
Number in Service: 96
Number Lost: 0
Dimensions:
 Overall Dimensions (Meters)
 Length: 634.43m
 Width: 704.60m
 Height: 118.31m
 Displacement (Metric Tons)
 Light: 645,629mt
 Standard: 691,932mt
 Full Load: 772,418mt
Performance:
 Secondary Reactor Output: 7.5x10¹³ W
 Primary Reactor Output: 2x10¹⁵ W
Operation (Years)
 Standard: 10 Years
 Maximum: 40 Years
Ref. Rhin. Commitment: 1:30
 Officers: 192

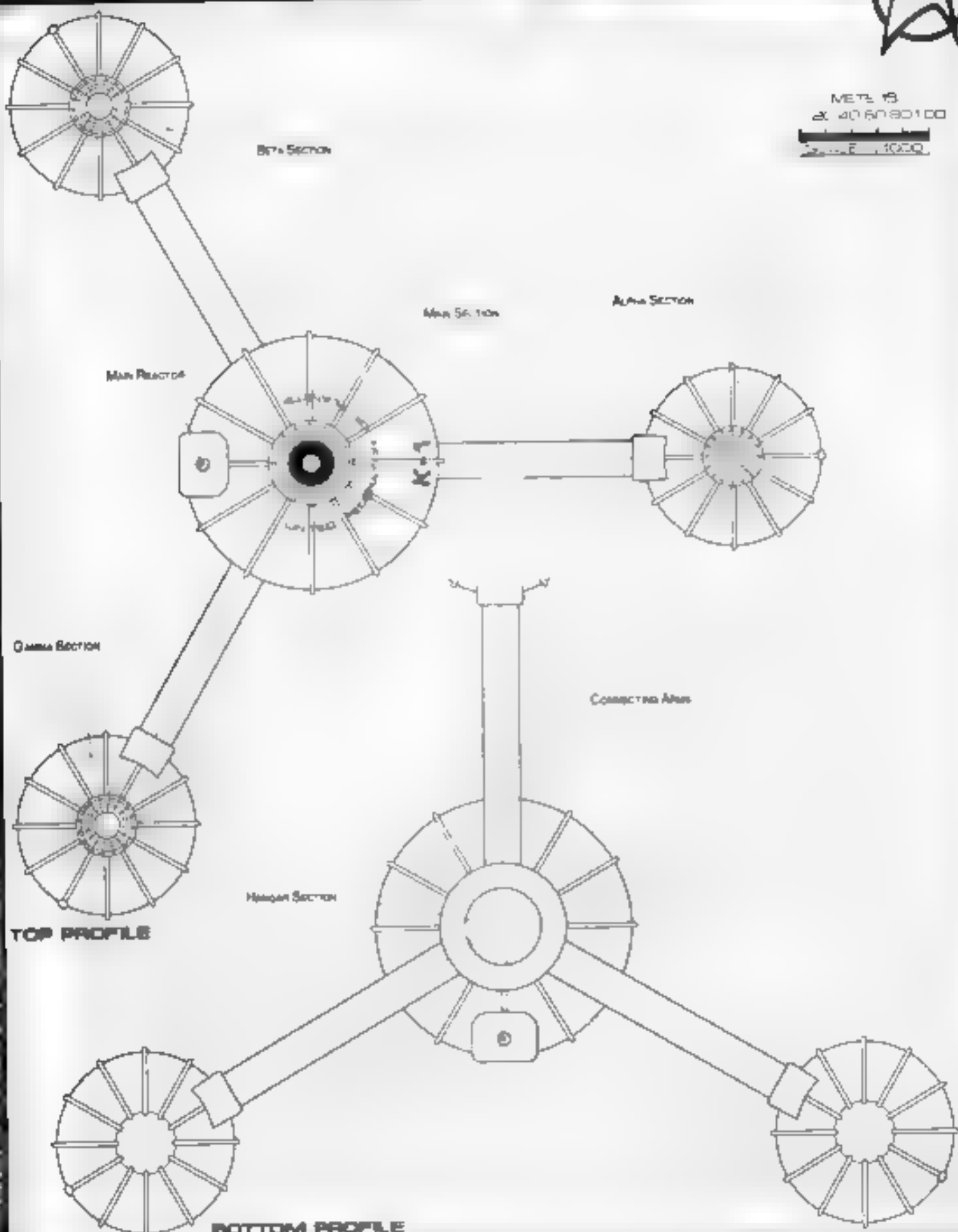
Crew (Bridge Grade): 938
Troops: 0
Passengers: 400
Emergency conditions: +400
Medical Facilities:
 Doctors: 5
 Nurses: 42
 Operating Rooms: 8
 Beds: 42
Laboratories: 8
Transportation Total: 22
 1 Person: 0
 3 Person: 2
 8 Person: 8
 12 Person: 0
 24 Person: 4
 Small Cargo: 4
 Medium Cargo: 4
 Large Cargo: 0
 Super Cargo: 0
Bridges: 12
Recesses: 21
Tractor Beams: 2
 Tow Capacity: 3.65x10¹⁶kg
 Max Range: 45x10¹⁶km
Cargo Specifications:

Standard Cargo (Units): 1045
Cargo Capacity: 42,150mt
Manufactured Specifications:
Docking Ports: 1
 Shuttlecraft Bays Total: 1
 Small Bay: 1
 Medium Bay: 1
 Large Bay: 0
 Super Bay: 0
 Shuttlecraft (Standard): 30
 Work Bays: 2
 Travel Pods: 2
 Assault Shuttle: 0
 Light Shuttle: 4
 Standard Shuttle: 12
 Heavy Shuttle: 2
 Cargo Shuttle: 8
 Assault Shuttle: 0
 Killer Beam: 0
 Fighter: 0
 Heavy Fighter: 0
Lifeboats: 76
 Turbidity (8 percent): 52
 Lifeboat: 10 percent: 8
 Lifeboat (30 percent): 8
 Lifeboat (30 percent): 8

Commanders: 7
 Type: Devstrom Duotronic III-g
 Type: Devstrom Duotronic II-h
Shield Rating:
 Heliod Power: 5.42x10¹² W
 Heliod Rate: 9.25x10¹⁰ W
 Breakdown Rate: 1.12x10¹¹ W
 Shield Dimensions (Meters)
 Length: 151.32m
 Width: 845.78m
 Height: 281.97m
Weapons:
 Beam (Phasers) Total: 6 banks 2 each
 Output: 5.0x10¹⁰ W 2.5x10¹⁰ W
 Range: 2.5x10¹⁰ km
 Rate of Fire: 30 ppm Cont
 Beam (Mags/Phasers) Total: 0
 Output: N/A
 Range: N/A
 Rate of Fire: N/A
 Torpedoes (Photon) Total: 0
 Output: N/A
 Range: N/A
 Rate of Fire: N/A

REFERENCE FACILITY

TRADING STATION





TRADING STATION

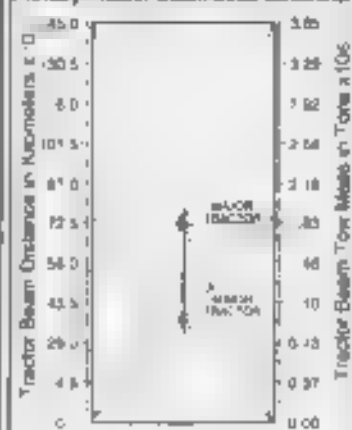
Facility Names

THE FOLLOWING FACILITIES OF THE TYPE K CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2252.10

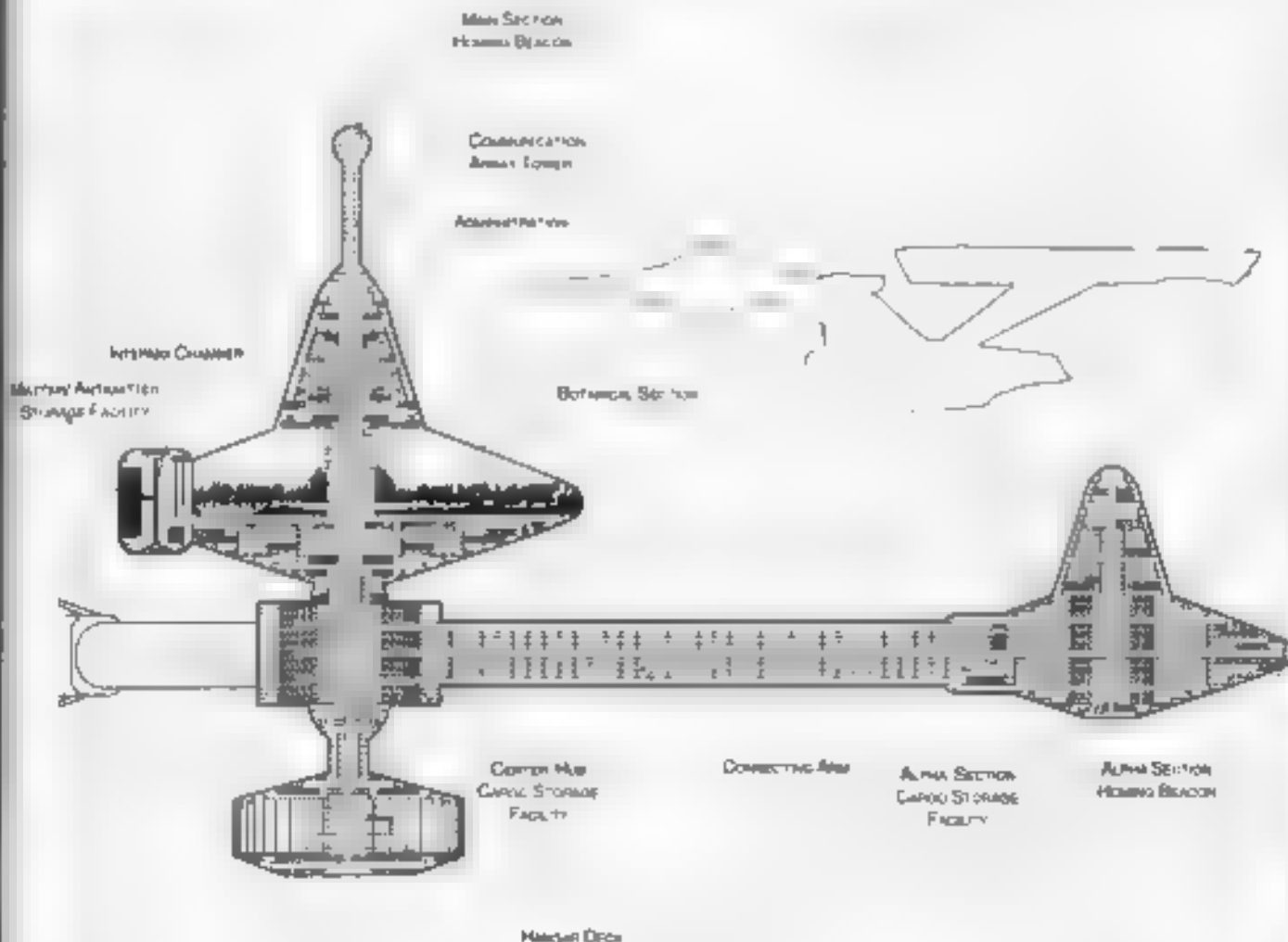
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| KEP ER 28 4 28 | KEP ER 28 4 28 | KEP ER 28 4 28 | KEP ER 28 4 28 |
| KEP ER 29 4 29 | KEP ER 29 4 29 | KEP ER 29 4 29 | KEP ER 29 4 29 |
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| KEP ER 34 4 34 | KEP ER 34 4 34 | KEP ER 34 4 34 | KEP ER 34 4 34 |
| KEP ER 35 4 35 | KEP ER 35 4 35 | KEP ER 35 4 35 | KEP ER 35 4 35 |
| KEP ER 36 4 36 | KEP ER 36 4 36 | KEP ER 36 4 36 | KEP ER 36 4 36 |
| KEP ER 37 4 37 | KEP ER 37 4 37 | KEP ER 37 4 37 | KEP ER 37 4 37 |
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| KEP ER 40 4 40 | KEP ER 40 4 40 | KEP ER 40 4 40 | KEP ER 40 4 40 |
| KEP ER 41 4 41 | KEP ER 41 4 41 | KEP ER 41 4 41 | KEP ER 41 4 41 |
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| KEP ER 43 4 43 | KEP ER 43 4 43 | KEP ER 43 4 43 | KEP ER 43 4 43 |
| KEP ER 44 4 44 | KEP ER 44 4 44 | KEP ER 44 4 44 | KEP ER 44 4 44 |
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| KEP ER 46 4 46 | KEP ER 46 4 46 | KEP ER 46 4 46 | KEP ER 46 4 46 |
| KEP ER 47 4 47 | KEP ER 47 4 47 | KEP ER 47 4 47 | KEP ER 47 4 47 |
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| KEP ER 49 4 49 | KEP ER 49 4 49 | KEP ER 49 4 49 | KEP ER 49 4 49 |
| KEP ER 50 4 50 | KEP ER 50 4 50 | KEP ER 50 4 50 | KEP ER 50 4 50 |

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



CLASS FACILITY, 1.0 DT IN THE LINE OF DUTY. PROPOSED ALL NAMES PRECEDED WITH "SHIP"



CROSS SECTION
ENLARGED FOR CLARITY

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STARFLEET REFERENCE MANUAL

FEDERATION FACILITY

STARSHIPS



General Information

Starfleet requires a large fleet of ships for the protection and exploration of the vastness of space. Although the Federation is built on peace, it has found that both peacetime and military vessels are required to protect and support the Federation. This chapter covers these ships: warships, carriers, scouts, research vessels and medical ships.

Warships are designed for defense of the Federation. They are equipped with heavy weapons, shields and more powerful drive systems. Together these allow warships to respond to threats and counteract enemy operations. One of the primary roles the warship plays in fleet strategy is to effectively engage enemy vessels in ship to ship combat. When military action is not necessitated, the ships are used for support missions throughout the Federation.

Carriers are designed for the support, transportation, launching and recovery of shuttlecraft, fighters and other aircraft. Both military and non-military missions are within the scope of carrier operations.

Scouts have a two-fold role in Federation policy: forward observation and exploration. They are equipped with extensive sensor arrays, heavy weapons and shields. This equipment allows scouts to move in advance of Federation ships on observation and reconnaissance missions. The scout's extensive sensors are also used for the Federation's extensive exploration of space.

Research Vessels are designed for a wide range of exploration and research applications. These vessels are equipped with precision sensors and comprehensive research facilities.

Medical Ships are designed as mobile hospitals, allowing them to provide medical support and emergency medical care throughout the Federation.

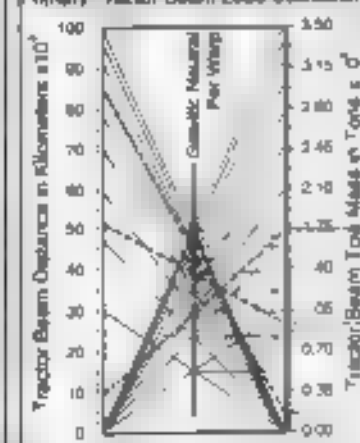
Containers are available in both standard and customized configurations to fit specific needs.

Tractor Beam

To use the Tractor Beam Load Calculator determine the needed factors such as distance, speed and weight. To use the calculator you must have at least two of these factors known. Here is an example: If distance and speed are known, start at the right of the graph and locate the distance mark for the range. Then look to the center to find the gravitic neutral for that speed. Draw a line from the distance mark through the correct speed marking. Where the line crosses the mass line determines the maximum mass that can be towed at a given speed and range. The calculator can be used in the opposite direction to find the maximum distance or if range and distance are known a line can be drawn to determine the maximum speed that can be obtained. Each starship is unique in its distance to mass towing ratio.

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



Where the line crosses the mass line determines the maximum mass that can be towed at a given speed and range. The calculator can be used in the opposite direction to find the maximum distance or if range and distance are known a line can be drawn to determine the maximum speed that can be obtained. Each starship is unique in its distance to mass towing ratio.

| |
|--|
| Range=10x10 ³ km Warp Factor=2 Max Tow=1.75x10 ⁶ tons |
| Range=5x10 ³ km Warp Factor=5 Max Tow=0.34x10 ⁶ tons |
| Range=0.5x10 ³ km Warp Factor=9 Max Tow=0.17x10 ⁶ tons |

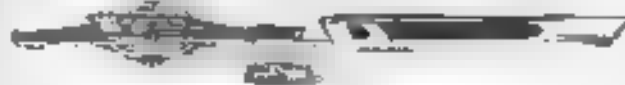
Warp Conversion

| WARP FACTOR | OLD WARP SPEEDS | NEW WARP SPEEDS | NEW WARP SPEEDS |
|-------------|-----------------|-----------------|-----------------|
| 1.0 | 1.000 | 0.00 | 1.000E+00 |
| 1.5 | 1.400 | 0.35 | 0.1E+00 |
| 2.0 | 2.000 | 0.50 | 2.00E+00 |
| 2.5 | 2.500 | 0.625 | 4.68E+00 |
| 3.0 | 3.000 | 0.750 | 8.10E+00 |
| 3.5 | 3.500 | 0.875 | 1.05E+01 |
| 4.0 | 4.000 | 1.000 | 1.30E+01 |
| 4.5 | 4.500 | 1.125 | 1.55E+01 |
| 5.0 | 5.000 | 1.250 | 1.80E+01 |
| 5.5 | 5.500 | 1.375 | 2.05E+01 |
| 6.0 | 6.000 | 1.500 | 2.30E+01 |
| 6.5 | 6.500 | 1.625 | 2.55E+01 |
| 7.0 | 7.000 | 1.750 | 2.80E+01 |
| 7.5 | 7.500 | 1.875 | 3.05E+01 |
| 8.0 | 8.000 | 2.000 | 3.30E+01 |
| 8.5 | 8.500 | 2.125 | 3.55E+01 |
| 9.0 | 9.000 | 2.250 | 3.80E+01 |
| 9.5 | 9.500 | 2.375 | 4.05E+01 |
| 10.0 | 10.000 | 2.500 | 4.30E+01 |
| 10.5 | 10.500 | 2.625 | 4.55E+01 |
| 11.0 | 11.000 | 2.750 | 4.80E+01 |
| 11.5 | 11.500 | 2.875 | 5.05E+01 |
| 12.0 | 12.000 | 3.000 | 5.30E+01 |
| 12.5 | 12.500 | 3.125 | 5.55E+01 |
| 13.0 | 13.000 | 3.250 | 5.80E+01 |
| 13.5 | 13.500 | 3.375 | 6.05E+01 |
| 14.0 | 14.000 | 3.500 | 6.30E+01 |
| 14.5 | 14.500 | 3.625 | 6.55E+01 |
| 15.0 | 15.000 | 3.750 | 6.80E+01 |
| 15.5 | 15.500 | 3.875 | 7.05E+01 |
| 16.0 | 16.000 | 4.000 | 7.30E+01 |
| 16.5 | 16.500 | 4.125 | 7.55E+01 |
| 17.0 | 17.000 | 4.250 | 7.80E+01 |
| 17.5 | 17.500 | 4.375 | 8.05E+01 |
| 18.0 | 18.000 | 4.500 | 8.30E+01 |
| 18.5 | 18.500 | 4.625 | 8.55E+01 |
| 19.0 | 19.000 | 4.750 | 8.80E+01 |
| 19.5 | 19.500 | 4.875 | 9.05E+01 |
| 20.0 | 20.000 | 5.000 | 9.30E+01 |
| 20.5 | 20.500 | 5.125 | 9.55E+01 |
| 21.0 | 21.000 | 5.250 | 9.80E+01 |
| 21.5 | 21.500 | 5.375 | 1.00E+02 |
| 22.0 | 22.000 | 5.500 | 1.02E+02 |
| 22.5 | 22.500 | 5.625 | 1.04E+02 |
| 23.0 | 23.000 | 5.750 | 1.06E+02 |
| 23.5 | 23.500 | 5.875 | 1.08E+02 |
| 24.0 | 24.000 | 6.000 | 1.10E+02 |
| 24.5 | 24.500 | 6.125 | 1.12E+02 |
| 25.0 | 25.000 | 6.250 | 1.14E+02 |
| 25.5 | 25.500 | 6.375 | 1.16E+02 |
| 26.0 | 26.000 | 6.500 | 1.18E+02 |
| 26.5 | 26.500 | 6.625 | 1.20E+02 |
| 27.0 | 27.000 | 6.750 | 1.22E+02 |
| 27.5 | 27.500 | 6.875 | 1.24E+02 |
| 28.0 | 28.000 | 7.000 | 1.26E+02 |
| 28.5 | 28.500 | 7.125 | 1.28E+02 |
| 29.0 | 29.000 | 7.250 | 1.30E+02 |
| 29.5 | 29.500 | 7.375 | 1.32E+02 |
| 30.0 | 30.000 | 7.500 | 1.34E+02 |
| 30.5 | 30.500 | 7.625 | 1.36E+02 |
| 31.0 | 31.000 | 7.750 | 1.38E+02 |
| 31.5 | 31.500 | 7.875 | 1.40E+02 |
| 32.0 | 32.000 | 8.000 | 1.42E+02 |
| 32.5 | 32.500 | 8.125 | 1.44E+02 |
| 33.0 | 33.000 | 8.250 | 1.46E+02 |
| 33.5 | 33.500 | 8.375 | 1.48E+02 |
| 34.0 | 34.000 | 8.500 | 1.50E+02 |
| 34.5 | 34.500 | 8.625 | 1.52E+02 |
| 35.0 | 35.000 | 8.750 | 1.54E+02 |
| 35.5 | 35.500 | 8.875 | 1.56E+02 |
| 36.0 | 36.000 | 9.000 | 1.58E+02 |
| 36.5 | 36.500 | 9.125 | 1.60E+02 |
| 37.0 | 37.000 | 9.250 | 1.62E+02 |
| 37.5 | 37.500 | 9.375 | 1.64E+02 |
| 38.0 | 38.000 | 9.500 | 1.66E+02 |
| 38.5 | 38.500 | 9.625 | 1.68E+02 |
| 39.0 | 39.000 | 9.750 | 1.70E+02 |
| 39.5 | 39.500 | 9.875 | 1.72E+02 |
| 40.0 | 40.000 | 10.000 | 1.74E+02 |
| 40.5 | 40.500 | 10.125 | 1.76E+02 |
| 41.0 | 41.000 | 10.250 | 1.78E+02 |
| 41.5 | 41.500 | 10.375 | 1.80E+02 |
| 42.0 | 42.000 | 10.500 | 1.82E+02 |
| 42.5 | 42.500 | 10.625 | 1.84E+02 |
| 43.0 | 43.000 | 10.750 | 1.86E+02 |
| 43.5 | 43.500 | 10.875 | 1.88E+02 |
| 44.0 | 44.000 | 11.000 | 1.90E+02 |
| 44.5 | 44.500 | 11.125 | 1.92E+02 |
| 45.0 | 45.000 | 11.250 | 1.94E+02 |
| 45.5 | 45.500 | 11.375 | 1.96E+02 |
| 46.0 | 46.000 | 11.500 | 1.98E+02 |
| 46.5 | 46.500 | 11.625 | 2.00E+02 |
| 47.0 | 47.000 | 11.750 | 2.02E+02 |
| 47.5 | 47.500 | 11.875 | 2.04E+02 |
| 48.0 | 48.000 | 12.000 | 2.06E+02 |
| 48.5 | 48.500 | 12.125 | 2.08E+02 |
| 49.0 | 49.000 | 12.250 | 2.10E+02 |
| 49.5 | 49.500 | 12.375 | 2.12E+02 |
| 50.0 | 50.000 | 12.500 | 2.14E+02 |



Size Comparison

Assault Cruiser



Heavy Shuttlescraft Carrier



Battle Cruiser



Through Deck Carrier



Battleship



Through Deck Cruiser



Escort Cruiser



Exploration Cruiser



Gun Boat



Research Vessel



Light Corvette



Star Cruiser



Penetration Cruiser



Survey Cruiser



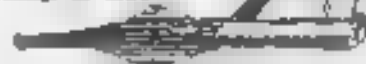
Strike Cruiser



Troop Transport



Timedip Cruiser



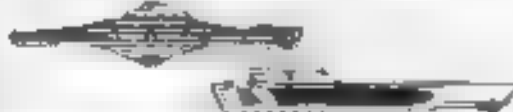
Heavy Scout



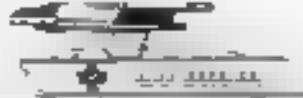
Hospital Frigate



Scout



Hospital Ship



METERS
0 20 40 60 80 100

ATTACK CRUISER



General Information

Specific Role: The Attack Cruiser is a high powered fast response weapons platform. Equipped with powerful sensors, sensors and extensive ECM gear, the Attack Cruiser, with its narrow front silhouette, is one of the most survivable ships in the fleet. The secondary hull is connected directly to the primary hull in order to reduce the craft's silhouette.

Physical Description: The PH147/A M21 primary hull is equipped with additional targeting sensors, hull reinforcements and a small hangar deck located on the upper starboard side. Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. On the lower part of the primary hull is the (SM49/2S) main sensor array and (DN4/3N) navigational dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2C) phaser banks. To the rear of the secondary hull are two (BP2/30-2C) phaser banks. Mounted on the primary hull's upper deck are two (MP2/15-2G) MegaPhasers (one to port, one to starboard). Below the secondary hull, supported by the (DL/25-8U) connecting dorsal, is a (PB4/50-10E) photon torpedo pod with side mounted (MP2/15-2G) MegaPhasers. To the rear of the primary hull are (IRF/15E/3-ED) dual impulse engines which are used for auxiliary power and sub-warp propulsion. The cruiser's warp fields are generated by two (SW52/1-5PR) warp nacelles attached to the secondary hull by (DL/15-7U) support pylons. On the lower forward section of the primary hull are (DN4/A-1) navigational deflectors which assist the navigational shields in deflecting oncoming debris. The (S-11/2/A-F4) secondary hull is attached directly to the primary hull. Inside the secondary hull are the (M25/12-210) intermix chamber and (AMH/45-5S) matter antimatter storage tanks. The storage tanks are installed in the rear of the secondary hull for emergency jettisoning. In the event of an emergency the primary and secondary hulls can separate, each being able to carry the ship's full complement. Once separated the primary hull can maneuver on impulse power for extended periods of time.

Class Emblem

ATTACK CRUISER

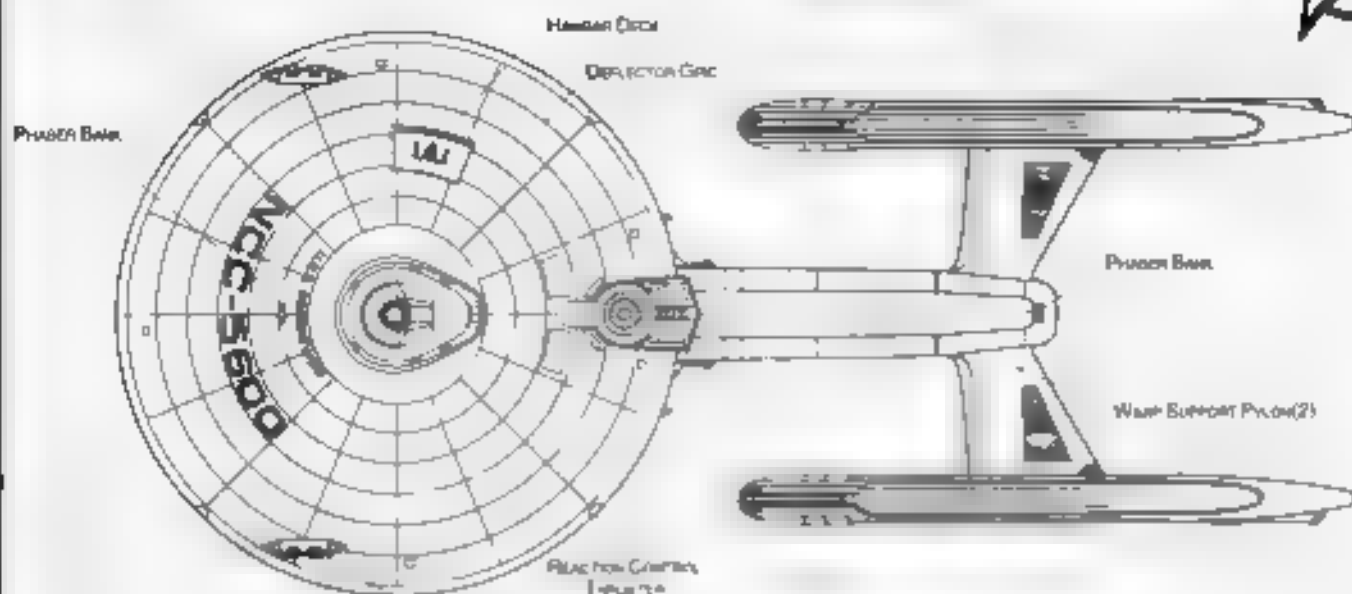


ROSENZWEIG CLASS

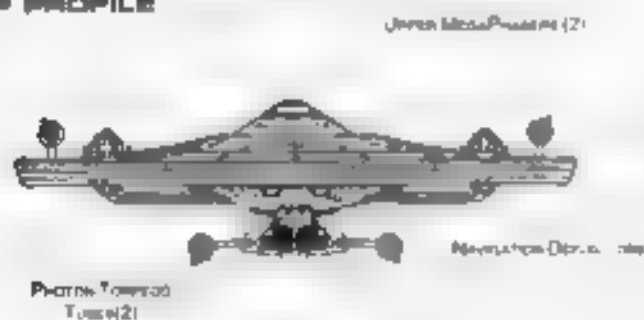
Ship Silhouettes

Total Target Area: 24888.40 m²Top Silhouette
Area: 10888.04 m²Port Silhouette
Area: 8050.08 m²Front Silhouette
Area: 5950.28 m²

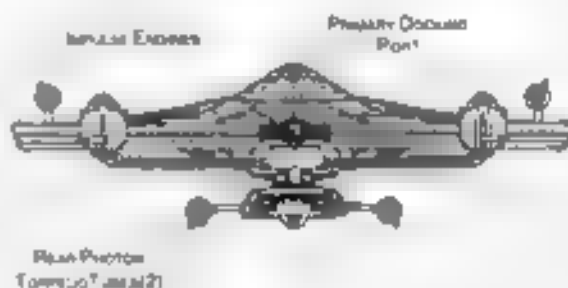
ATTACK CRUISER



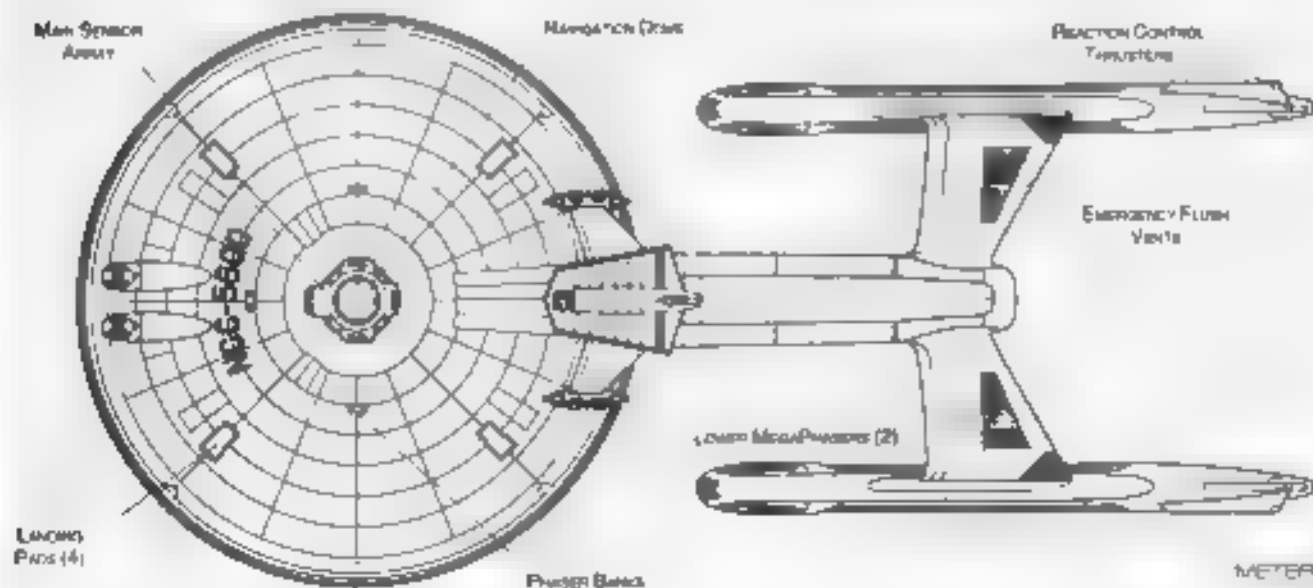
TOP PROFILE



FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE

METERS
0 10 20 30 40 50



Ship Names

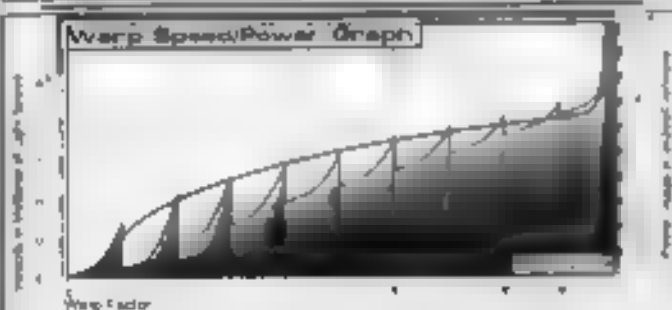
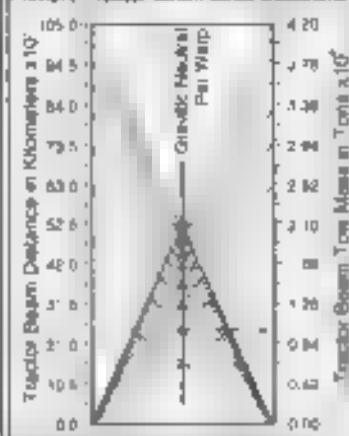
THE FOLLOWING SHIPS OF THE MK XXIII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2294.1)

| | |
|-----------------------|---------------------|
| ABERTRININI NCC 5818 | ROSENZWEIG NCC 5802 |
| MUTELLO NCC 5804 | SALAZAR NCC 5813 |
| HAVE FORAT NCC 5801 | SIMPSON NCC 5824 |
| DEERMAN NCC 5830 | TABARES NCC 5879 |
| WANNING NCC 58 | TIPPIE NCC 581 |
| ENKIN NCC 58 | UNTER NCC 5808 |
| AL KAMIRI NCC 5814 | YANKEE NCC 5820 |
| A JARE NCC 5895 | WHEELER NCC 5816 |
| RIKARD NCC 5810 | WYHEAT NCC 5853 |
| MC MENNON NCC 5808 | WYNNE NCC 58 |
| BARRA NCC 5814 | WYSE NCC 5813 |
| FLERK NCC 5807 | XAL JEP NCC 5825 |
| KLEIN NCC 5861 | ZIMMERMAN NCC 582 |
| BY THICK NCC 5802 | |
| ESLY NCC 5837 | |
| MILANE NCC 5805 | |
| MC AIN NCC 5828 | |
| WANTS TOL NCC 5823 | |
| MC ALF BAIER NCC 5810 | |
| MC GENTLE NCC 5829 | |
| TATKMAN NCC 5809 | |
| A NCC 5808 | |
| JARE NCC 5814 | |
| KA JEP NCC 5813 | |
| MC NCC 58 | |

CLASHING, LOST IN THE LINE OF DUTY. PROPOSED. ALL NAMES APPROVED WITH CLASS.

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



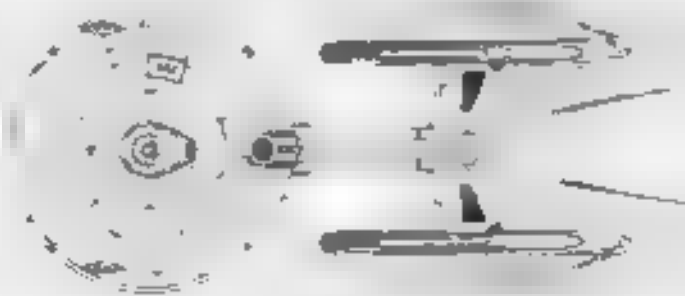
Field Length 888.41m
Field Width 197.80m
Field Height 88.13m



Front Warp Field Profile
Cross Section Area 18418.6 m²



Port Warp Field Profile
Cross Section Area 28218.48 m²



Top Warp Field Profile
Cross Section Area 28218.48 m²

WARP FIELDS

SRM2 04:02:01:04

STARFLEET REFERENCE MANUAL

BATTLE CRUISER



General Information

Specific Role: Designed to move into hostile situations and deliver large amounts of support firepower, the Battle Cruiser is quite able to take a beating. It is equipped with more powerful shields and sensors and extensive ECM. During military operations, the cruiser is used as a point assault ship and for main line defense. A secondary mission for the Battle Cruiser is extended duration, long range patrol duty.

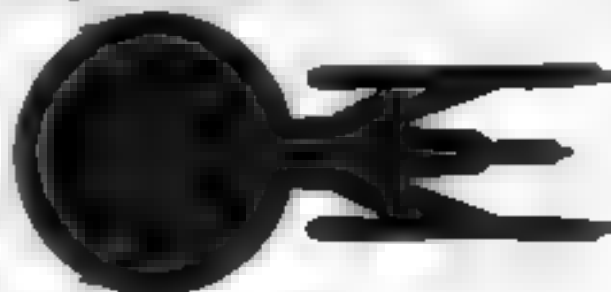
Physical Description: The PH1147/A M21 primary hull is equipped with additional targeting sensors, hull reinforcements and weapons. Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. On the lower part of the primary hull is the (SM49/8F) main sensor array and (DN4/7 H) navigational dome. Located on the port, starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2C) phaser banks. To the rear of the secondary hull are two (BP2/30-2C) phaser banks. On the underside of the secondary hull are two additional (BP2/30-2C) phaser banks. Mounted on the primary hull's upper deck are two (MP2/15-2C) MegaPhasers (one to port, one to starboard). The vessel is equipped with dual (PB4/25 TOR) photon torpedo bays mounted above and below the secondary hull. To the rear of the primary hull are (HIF/35E/5 C) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel is also equipped with additional inertia dampeners to compensate for its increased maneuvering capabilities. The vessel's warp fields are generated by three (SW52/4 C) warp nacelles. The outboard nacelles are attached to the secondary hull by (DL/42/51) support pylons while the third nacelle is attached to the primary hull by a (LD/28/5G) dorsal support pylon. Below the primary hull is the (SH/32/C/H3) secondary hull joined by a (C/2/55/5U) connecting dorsal. On the front of the secondary hull is a (DN2/T/3) navigational deflector used to assist the navigational shields in deflecting oncoming debris. At the rear of the secondary hull is a medium hangar deck. Running through the connecting dorsal is the (M/9/L/1G) intermix chamber and inside the secondary hull are (AMB/40/5U) matter/antimatter storage tanks. For emergency jettisoning the storage tanks are installed immediately aft of the lower photon torpedo launcher. In the event of an emergency the primary and secondary hulls can separate, each being able to carry the ships to a complement. Once separated the primary hull can maneuver on impulse power for extended periods of time or, if the third nacelle is still attached, minimal warp speeds.

Class Emblem



Ship Silhouettes

Total Tonnage Area 41081.80 m²



Top Silhouette
Area 87072.18 m²



Port Silhouette
Area 11289.84 m²



Front Silhouette
Area 228.80 m²



REGISTRATION NEEDED



Statistics

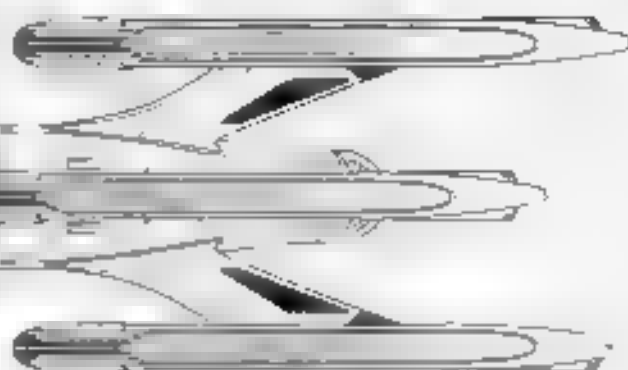
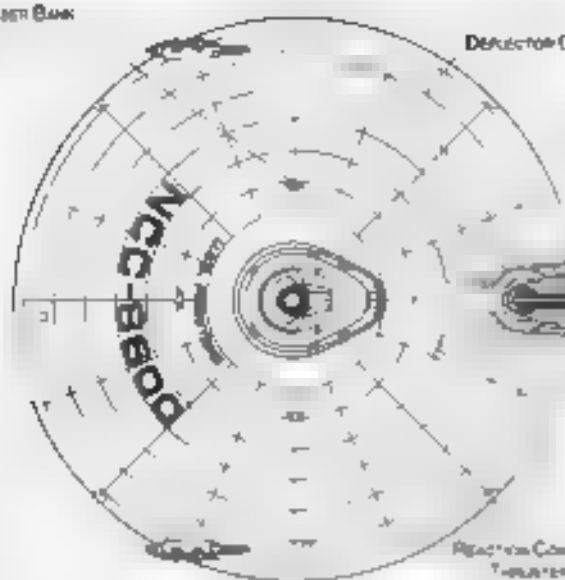
Letter Ref. 0

BATTLE CRUISER

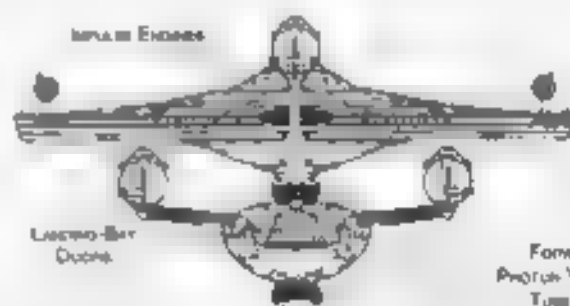
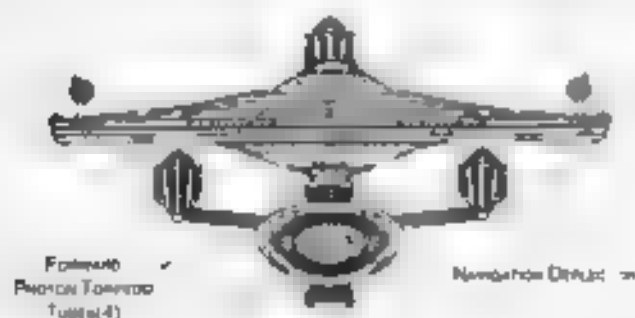


PHASER BANK

DETECTOR DOME



TOP PROFILE

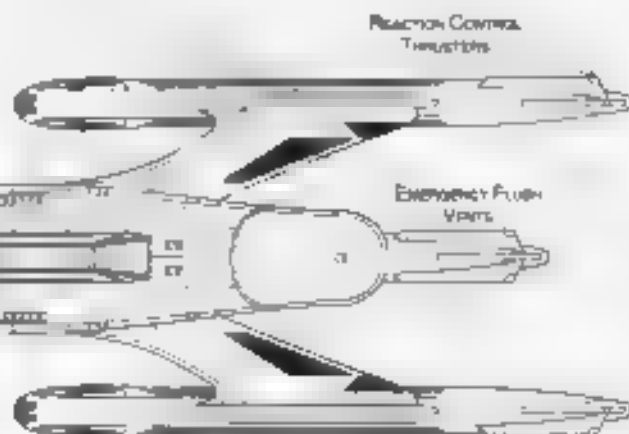
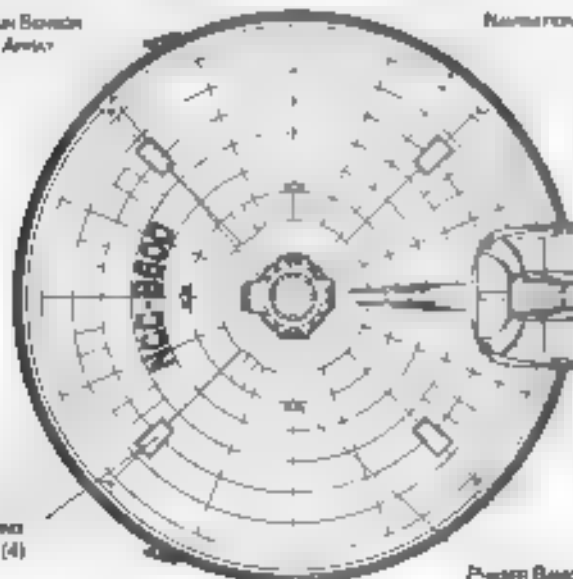


FRONT PROFILE

REAR PROFILE

MAIN BOW THRUSTERS

NAVIGATION CONSOLE



LANDING PADS (4)

PHASER BANK

BOTTOM PROFILE

METERS
0 10 20 30 40 50



BATTLE CRUISER

FIRESTONE CLASS

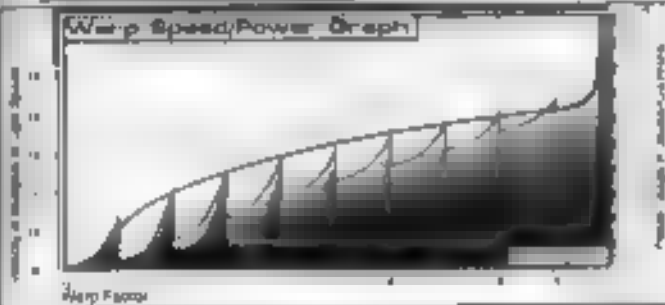
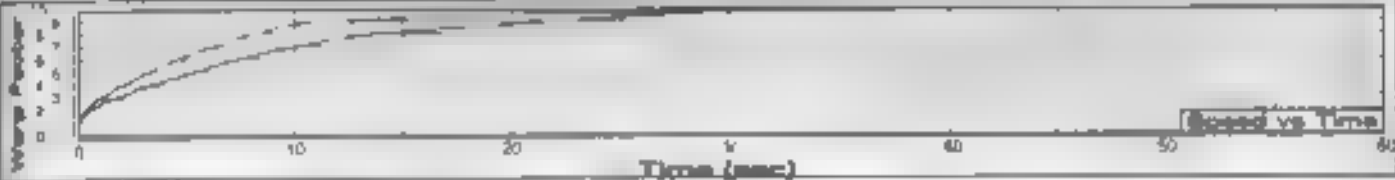
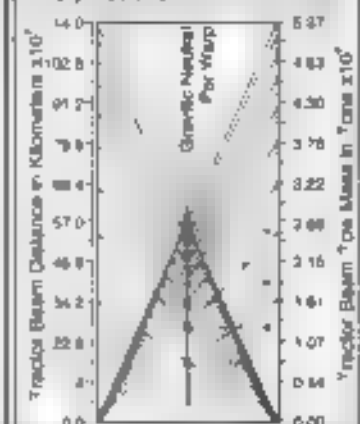
Ship Names

THE FOLLOWING SHIPS OF THE MK XXXR CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2271.2

| | |
|---------------------|-------------------|
| ADRIAN MKC 0807 | PIPER MKC 0807 |
| ALBA MKC 0808 | QUANTA MKC 0807 |
| ALMA MKC 0809 | REDS MKC 0808 |
| BRYAN MKC 0810 | SHARON MKC 0808 |
| BOSKE MKC 0808 | THORNTON MKC 0808 |
| JURY MKC 0807 | UTAH MKC 0808 |
| OSCAR MKC 0812 | VANIA MKC 0808 |
| ORAZ MKC 0807 | WELSH MKC 0810 |
| DUNFRET MKC 0800 | YANG MKC 0811 |
| ESTERITO MKC 0831 | ZAHN MKC 0808 |
| E MKC 0807 | |
| IRE TONI MKC 0800 | |
| INDREX MKC 0816 | |
| FRASER MKC 0808 | |
| GI MKC 0808 | |
| GOON MKC 0804 | |
| HAROLD MKC 0811 | |
| HE BRUNNER MKC 0827 | |
| HE MKC 0808 | |
| KOL MKC 0807 | |
| KIRBY MKC 0809 | |
| K. V. V. MKC 0810 | |
| KEVIN MKC 0828 | |
| ME MKC 0810 | |
| UTAH MKC 0808 | |

Traction Beam Specifications

Primary Traction Beam Load Calculator



Power Output: 27.1 Tons
Power Input: 23.2 Tons
Power Output: 1.1 Tons



Front Warp Field Profile
Cross Section Area: 10000.15 m²



Port Warp Field Profile
Cross Section Area: 10000.22 m²



Top Warp Field Profile
Cross Section Area: 10000.34 m²

WARP FIELDS

SRM2 04:02:02:04

STARFLEET REFERENCE MANUAL

FEDERATION VESSEL

BATTLESHIP



General Information

Specific Role: The Battleship's primary military role is as a capital assault ship and as a command flagship. An advanced strategic bridge in the Battleship provides a comprehensive platform for the command of large scale fleet operations. The Battleship is one of the Federation's most powerful main-battle vessel, and as such its role throughout any theater is predominantly military. The formidable presence of this class of capital vessels has assured the signing of many treaties and peaceful outcome to many conflicts.

Physical Description: The Battleship's (PHF147-A-A4) extended primary hull is equipped with extremely heavy weapons, shielding, and ECM/ECM devices, as well as a B5-2-A-S4 strategic bridge which incorporates dual weapons stations and an additional tracking station and a multitiered command level. Located between the two tiers in the bridge is the (PB001/HLP-02) holographic battle field display unit that gives the Fleet Commander immediate updates in combat developments and can also be used to run battle simulations. Mounted on the side side of the primary hull are the integrated SM49/40 main sensor array and DN147-X navigation tracking dome located on the port starboard and bow of the primary hull (both top and bottom) are six (BS2-30-20) phaser banks. Port and starboard in the upper primary hull forward of the raised extension are the (N2/G-4-2) navigational deflectors used to assist the navigational shields in deflecting incoming defies. Mounted on the rear of the primary hull are (IP188E/7-L1) dual impulse engines which are used for auxiliary power and sub warp propulsion. Two medium hangar decks are installed, one on either side of the impulse engines in the rear of the primary hull. The vessel's warp fields are generated by two (N5-71-5A) advanced warp nacelles attached to the secondary hull by (D1-147-HX) support pylons. Attached directly to the primary hull is the (S1221-A-M) secondary hull. In the bow of the secondary hull is a (N2-6-6) navigational deflector, and at the rear of the primary hull is a (DN2-6-6M) modified navigational deflector both of which are used in conjunction with the navigational shields to deflect objects out of the path of the ship and move them into the path of pursuing vessels. Within the secondary hull are the (M02-3-A) intermix chamber and (AM4-4K-4K) matter/antimatter storage tanks. The storage tanks are located on the spine of the hull for emergency jettisoning. Above the primary hull exterior mounted port and starboard top and bottom are four (M12/15-20) Megaphasers. Above the primary hull and supported by the (D1-52-2W) roll bar is a (PH4-50-10E) photon torpedo pod. On lower rear of the secondary hull are two (M02-3-20) Megaphasers. In the event of an emergency the primary and secondary hulls can separate, each being able to carry the ships full complement. Once separated the primary hull can generate its own warp power for extended periods of time.

Class Emblem



Ship Silhouettes

Total Target Area 28067.88 m²



Top Silhouette

Area 20841.22 m²



Port Silhouette

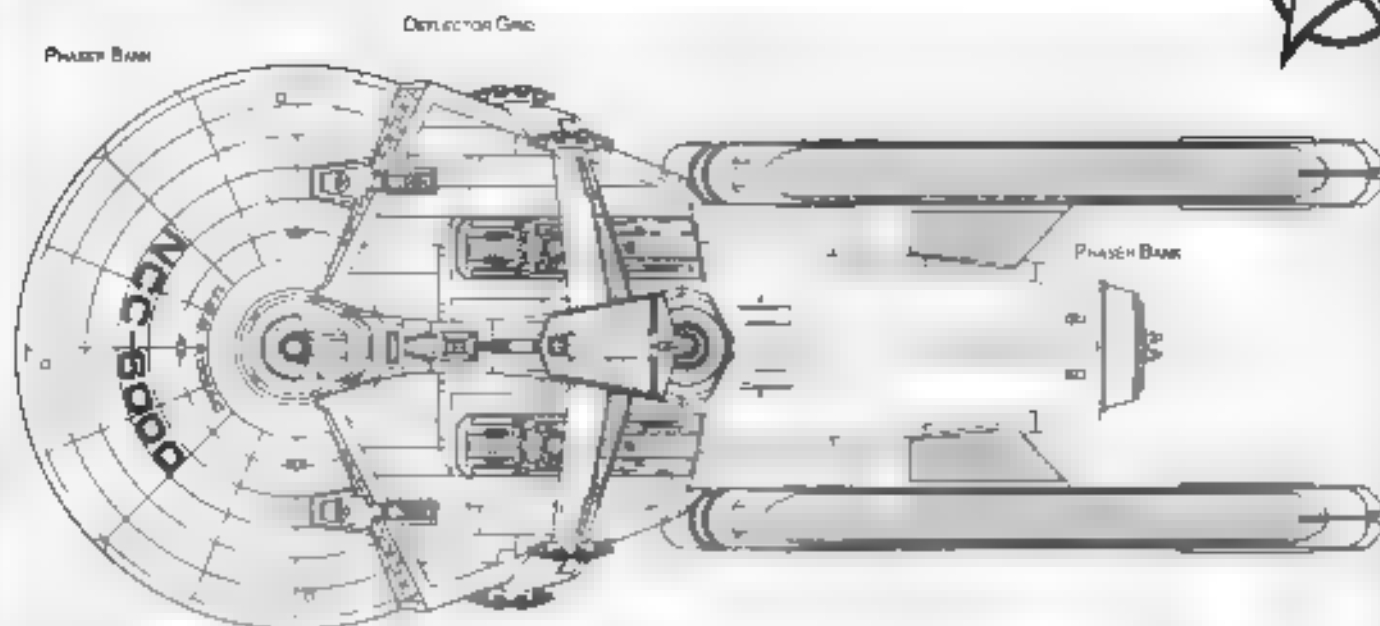
Area 10883.72 m²



Front Silhouette

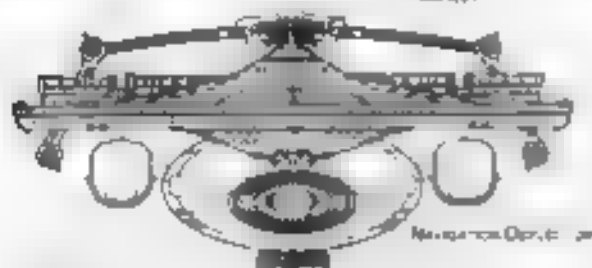
Area 5472.92 m²

BATTLESHIP



TOP PROFILE

Forward Upper
Photon Torpedo
Tubes (2)

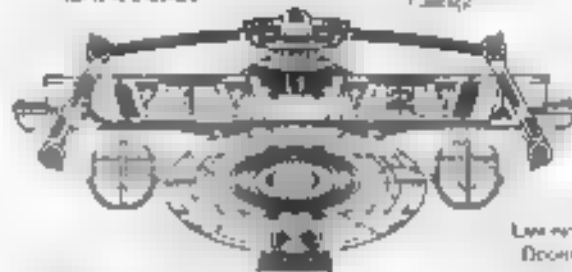


Forward Lower
Photon Torpedo
Tubes (3)

FRONT PROFILE

Starline Engines

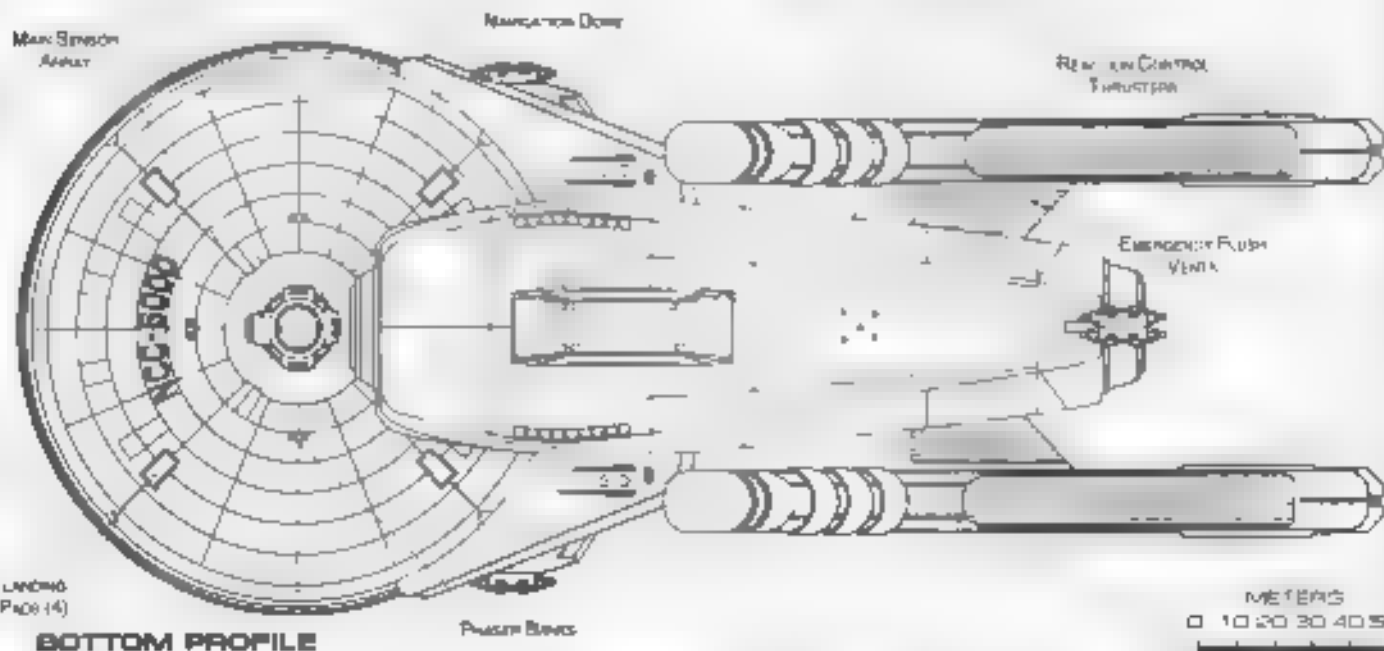
Rear Upper
Photon Torpedo
Tubes (2)



Lower-Port Bay
Doors (2)

Rear Lower
Photon Torpedo
Tubes (3)

REAR PROFILE



METERS
0 10 20 30 40 50



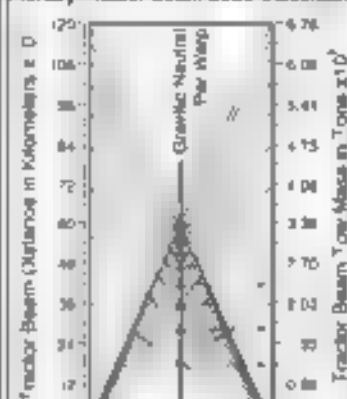
Ship Names

THE FOLLOWING SHIPS OF THE XXI CLASS WERE AUTHORIZED BY THE AMERICAN
ARTICLE OF FEDERATION OF STARGATE 2273.2

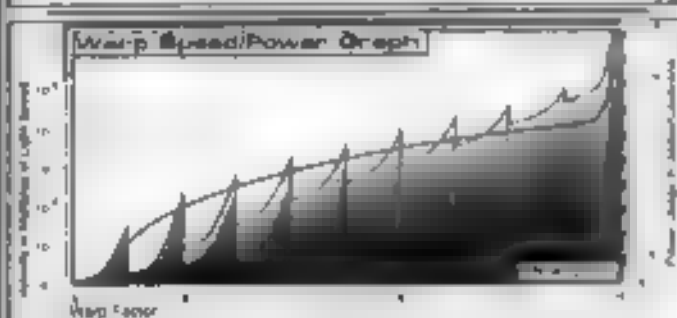
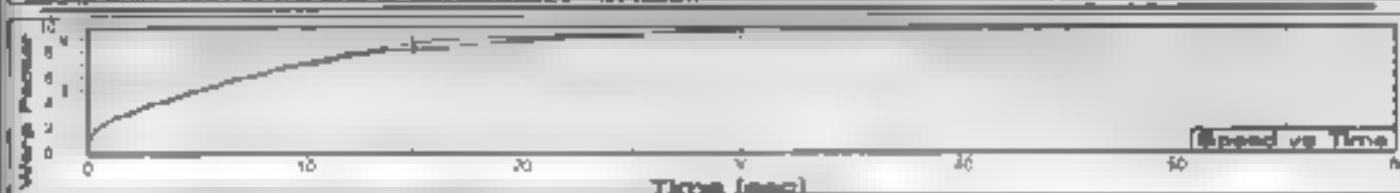
[illegible]

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



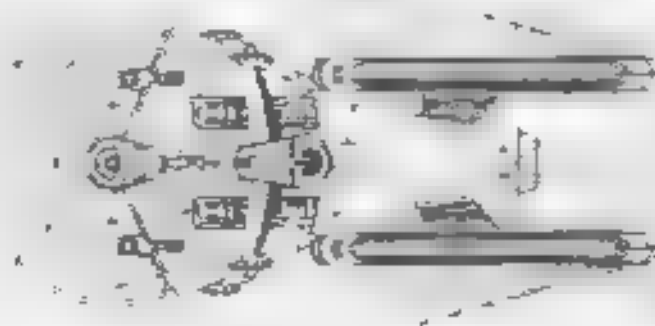
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電話 03-3408-7111 FAX 03-3408-7112
 電話 03-3408-7111 東京市 山手区
 電話 03-3408-7111 山手区 山手町



Front Warp Field Profile
Cross Section Area 18160.44 m²

Port Warp Field Profile
Over Seven Acre 8007.80 m²

Top Warp Field Profile
Cross Section Area: 21,808.88 m²

WARP FIELDS

SRM2 04:02:03:04

STARFLEET REFERENCE MANUAL

KODIAK CLASS

FEDERATION VESSEL

ESCORT CRUISER



General Information

Specific Role: The Escort Cruiser's major strength comes from its turret mounted rapid firing photon torpedo pod and in its role as convoy escort it can lay down '360°' suppressing and defensive fire in a remarkably short amount of time due to the photon torpedoes' direct path to the target and quick tube cycle time).

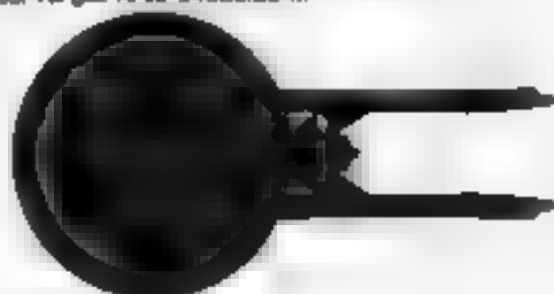
Physical Description: The (PH147/A M4) primary hull is equipped with additional targeting sensors, hull reinforcements and a small hangar deck located on the upper starboard side. Integrated into the standard deflector grid are additional Electronic Counter Measures to make the vessel more stealthy. The primary hull is equipped with the (BS1/A T3) bridge which incorporates a larger weapons and tracking station. On the lower part of the primary hull is the (SM49/2K) main sensor array and (LN4/4P) navigational dome. Located on the port, starboard and bow of the primary hull (both top and bottom) are six (BP2/302C) phaser banks. At the base of the secondary hull is the turreted (TPH2/25-20G) photon torpedo pod. On the lower secondary hull are four additional (BP2/302C) phaser banks. To the rear of the primary hull are (P186E/E-U) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SW52/5WB) warp nacelles attached to the primary hull by (DL/56B) support pylons. Attached below the primary hull is the (SM88/A/B) secondary hull. On the front of the secondary hull is the (DN2/D7) navigational deflector used to assist the navigational shields in deflecting oncoming debris. On the stern of the secondary hull is a medium hangar deck. Inside the secondary hull is the (IM25/24-4A) intermix chamber and (AM8/34-4P) matter antimatter storage tanks. The storage tanks are installed in the rear of the secondary hull just behind the intermix chamber for emergency jettisoning. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Target Area 34080.80 m²



Top Silhouette
Area 8211.458 m²



Port Silhouette
Area 1088.08 m²

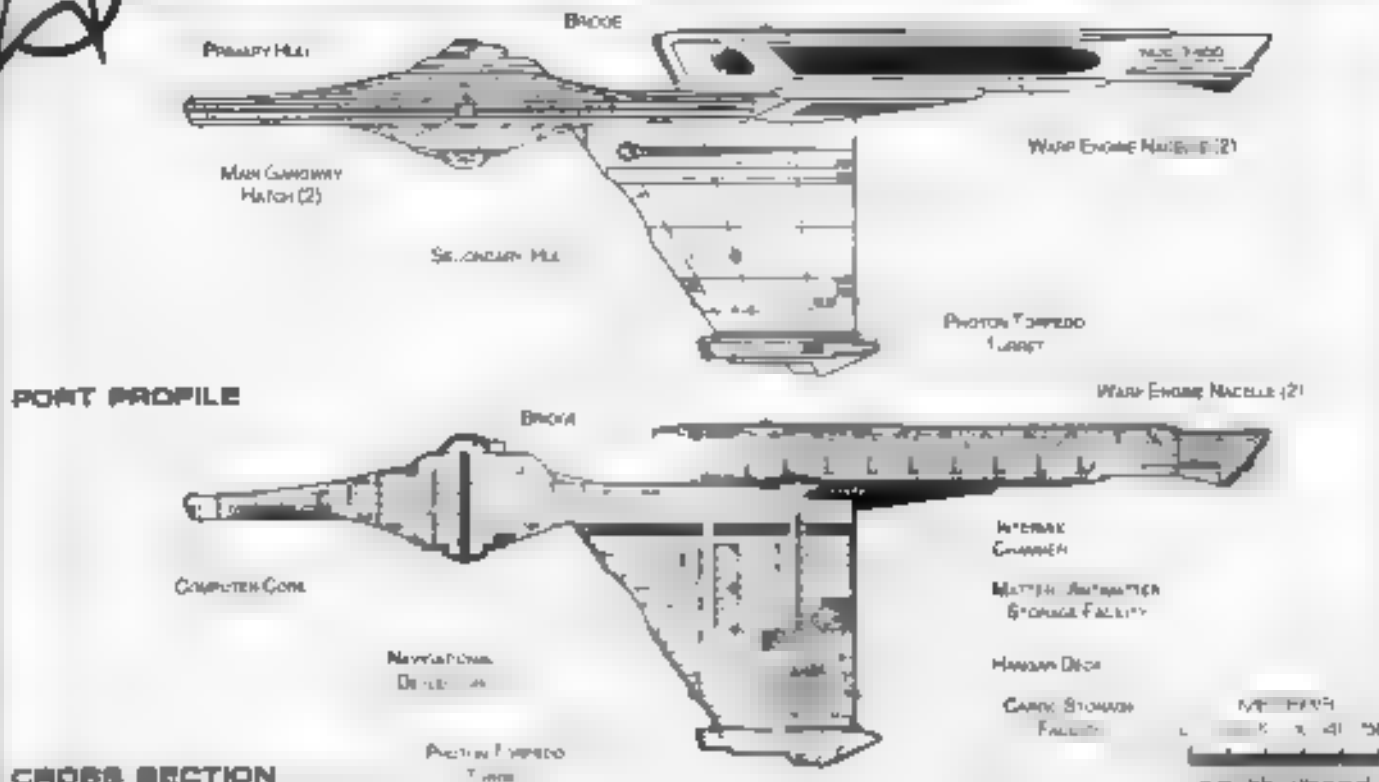


Front Silhouette
Area 3408.26 m²



ESCORT CRUISER

FEDERATION VESSEL



CROSS SECTION

Statistics

Classification: SCV-1000
Category: Escort Ship
Class: Magistrate
Type: 1000
Model: MK III
Star Construction Contract: 7400
Number Proposed: 40
Number Constructed: 35
Number in Service: 35
Number Lost: 0
Dimensions:
 Overall Dimensions (Meters)
 Length: 120.0m
 Width: 45.2m
 Height: 8.0m
 Primary Hull Dimensions (Meters)
 Length: 144.0m
 Width: 4.72m
 Height: 32.94m
 Secondary Hull Dimensions (Meters)
 Length: 8.96m
 Width: 3.2m
 Height: 14.08m
 Warp Unit Dimensions (Meters)
 Length: 54.0m
 Width: 12.63m
 Height: 18.32m
Displacement (Metric Tons)
 Light: 55,600mt
 Standard: 8,493mt
 Full Load: 99,350mt
Performance:
 Impulse Units: Dual Unit (NP105/E-RJ)
 Impulse Engine Output: 8x10³ W
 Impulse Power Index: 1.11
 Max Cruising: C
 Acceleration Rate:
 0.00-0.28 Impulse: 0.18 sec
 0.28-0.50 Impulse: 0.27 sec
 0.50-0.78 Impulse: 0.36 sec
 0.78-Full Impulse: 0.452 sec
 Warp Units: 2 Nacelle Units (BW527-BW6)
 Warp Engine Output: 1.2x10¹⁰ W
 Warp Power Index: 1.110

Optimum Speed: Fast 4
Max Safe Cruising: Fast 4
Emergency Speed: Warp 0
Max Speed: Warp 4
Destructive Speed: Warp 0.05
Acceleration Power: 0
Acceleration Index:
 Warp 1 Warp 2 1.8 sec
 Warp 3 Warp 3 2.92 sec
 Warp 4 Warp 4 3.93 sec
 Warp 5 Warp 5 4.97 sec
 Warp 6 Warp 6 5.98 sec
 Warp 7 Warp 7 6.98 sec
 Warp 8 Warp 8 7.98 sec
 Warp 9 Warp 9 8.98 sec
 Warp 10 Warp 10 9.98 sec
 Warp 11 Warp 11 10.98 sec
 Warp 12 Warp 12 11.98 sec
Duration (Total)
 Standard: 2 years
 Maximum: 20 years
Mid-Ship Complement: 47
 Officers: 66
 Crew (Ensign Grade): 220
 Troops: 14
 Passengers: 40
 Emergency condition: +54
Medical Facilities:
 Doctors: 5
 Nurses: 26
 Operating Rooms: 4
 Beds: 24
Laboratory: 5
Immunizations: 10
 1 Person: 0
 2 Person: 0
 6 Person: 4
 12 Person: 0
 22 Person: 4
 Small Cargo: 1
 Medium Cargo: 1
 Large Cargo: 0
 Super Cargo: 0

Bridge:
 Replicators: 4
 Time in Beam:
 Low Capacity: 5.8 x 10⁶ m
 Max Range: 45.0 km
Cargo Specifications:
 Standard Cargo Units: 257
 Cargo Capacity: 87,000 mt
Shuttlecraft Specifications:
 Docking Ports:
 Shuttlecraft Bays Total: 1
 Small Bay:
 Medium Bay: 1
 Large Bay: 0
 Super Bay: 0
 Shuttlecraft Standard: 28
 Work Bays: 1
 Travel Pods: 2
 Aquatic Shuttle:
 Light Shuttle: 1
 Standard Shuttle: 6
 Heavy Shuttle: 1
 Cargo Shuttle:
 Assault Shuttle: 3
 Elder Bay: 4
 Fighter: 4
 Heavy Fighter: 4
 Lifeboats: 43
 Turboid (5 person): 22
 Lifeboat (10 person): 5
 Lifeboat (30 person): 5
 Lifeboat (50 person): 0
Decking Devices:
 Sensor Index Values:
 Planetary Survey: 0.75-7
 Stellar Survey: 3.8
 Short Range: 2855
 Long Range: 2341
 Navigation: 0430
 Special: 1120
Communications: 2
 Type: Janssen Quantum III m
 Type: Janssen Quantum III m

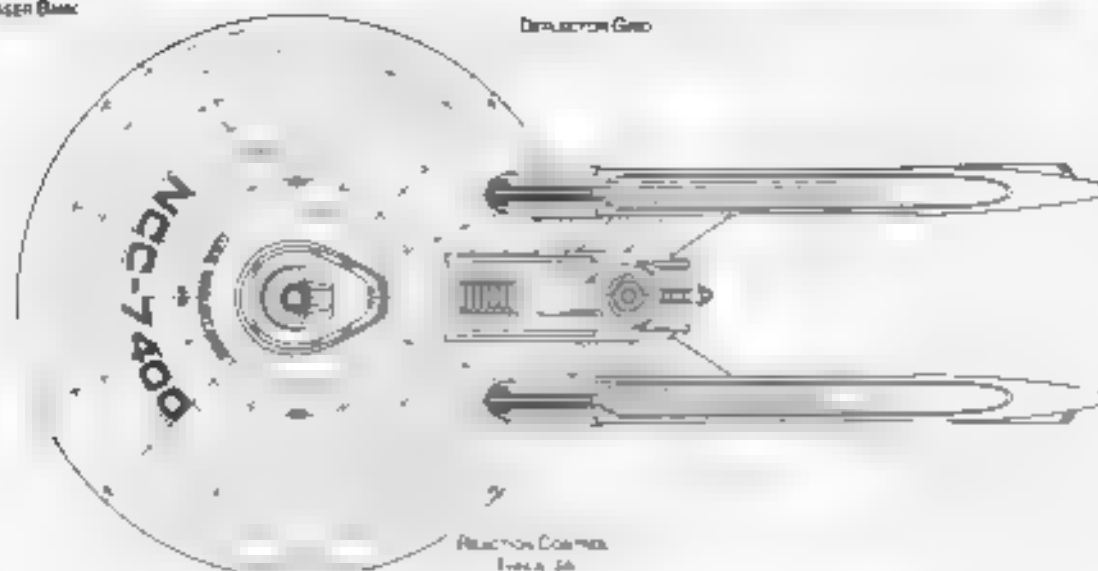
ECM Index: 2
Shield Rating:
 Shield Index: 1.14
 Shield Power: 3.33 x 10¹² W
 Breakdown Rate: 9.44 x 10¹⁰ W
 Breakdown Rate: 3 x 10¹² W
 Shield Dimensions (Meters)
 Length: 44.16m
 Width: 33.0m
 Height: 1.082m
Weapons:
 Phaser Power Index: 20
 Photon Power Index: 6.85
 Torpedo Power Index: 4.78
Weapon Placement:
 Beam (Phasers) Total: 10 banks 2 each
 Output: 5.0x10¹⁰ W 2.5x10¹⁰ W
 Range: 2.5x10⁶ km
 Rate of Fire: 20 rpm Cont
 Forward Banks: 3
 Star Banks:
 Port Banks: 2
 Starboard Banks: 4
 Upper Banks: 0
 Lower Banks: 0
Missile (Torpedo) Total: 0
 Output: N/A
 Range: N/A
 Rate of Fire: N/A
 Forward/Star Banks: 0
 Port/Starboard Banks: 0
 Upper/Lower Banks: 0
Torpedoes (Phasers) Total: Bay 2 each
 Stock: 00
 Range: 2.0x10⁶ km
 Output: 0.50 Megatons
 Rate of Fire: 20 rpm
 Forward Bay: 2
 Star Bay: 0
 Port Bay: 0
 Starboard Bay: 0
 Upper Bay: 0
 Lower Bay: 0

ESCORT CRUISER

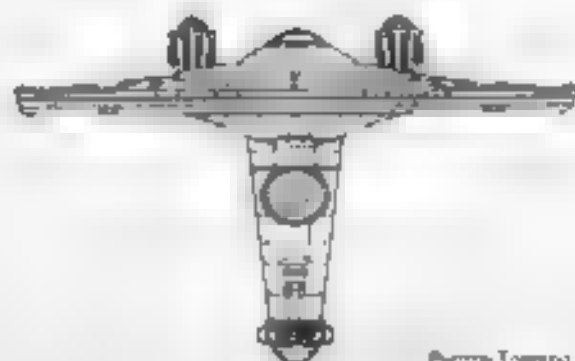


PHASER BANK

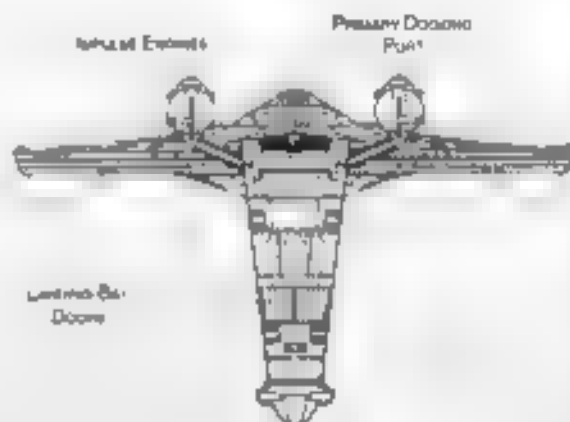
DEFLECTION GRID



TOP PROFILE



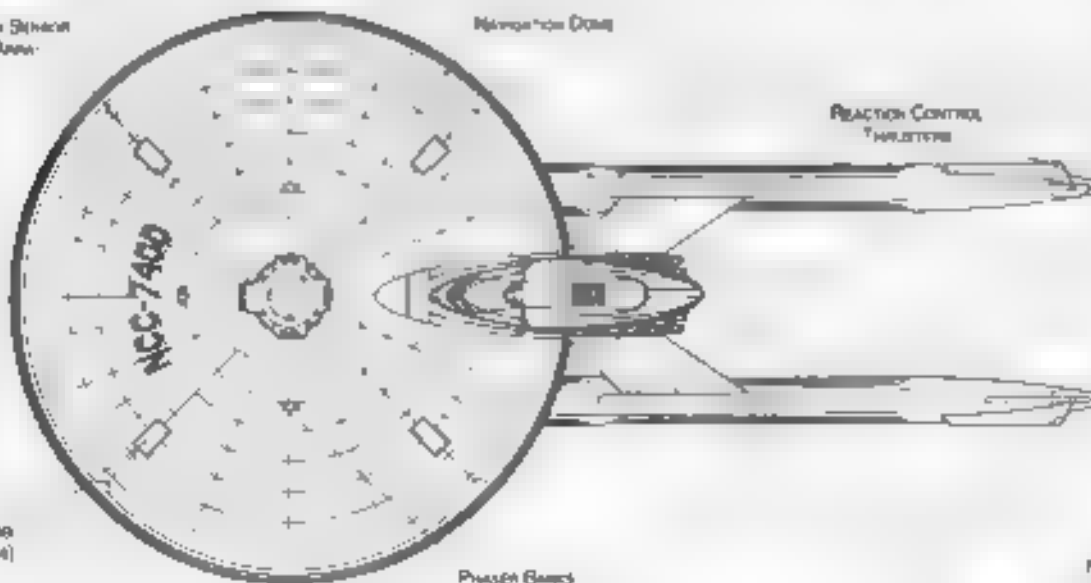
FRONT PROFILE



REAR PROFILE

Main Service Area

Navigation Dome

LANDING
PADS (4)

PHASER BANK

BOTTOM PROFILE

METERS
0 10 20 30 40 50



ESCORT CRUISER

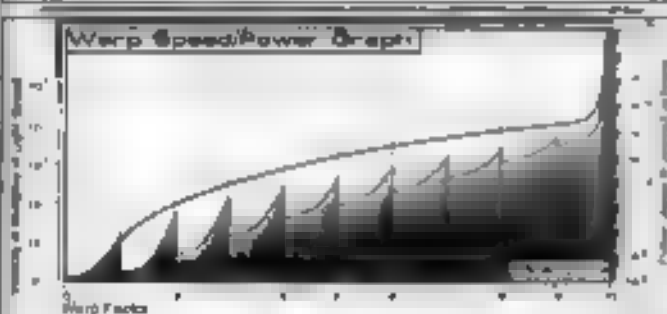
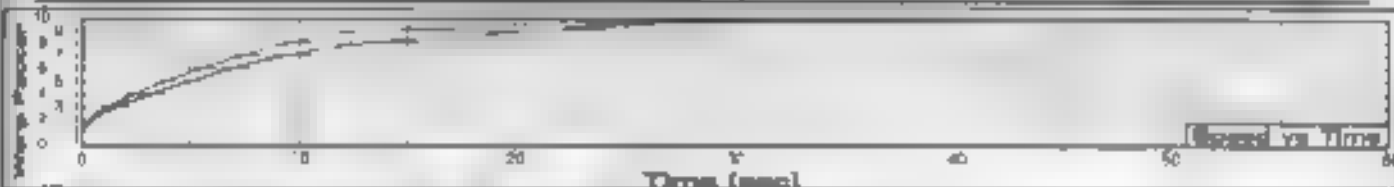
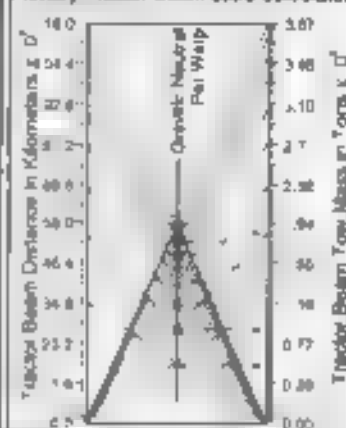
Ship Names

THE FOLLOWING SHIPS OF THE MK-III CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2274.2

| | |
|-----------------------|-------------------|
| ALLEN MKC 404 | MASKE MKC 427 |
| ARTHUR MKC 781A | MEADE MKC 419 |
| BEAKLEY MKC 743A | MELBY MKC 417 |
| BLANSON MKC 435 | QUINN MKC 407 |
| BLISSON MKC 429 | QUINCY MKC 741B |
| B. TON MKC 741B | QUINN MKC 430 |
| DAWKINS MKC 787 | RICHARDS MKC 743B |
| DEAN EDESSER MKC 7407 | SHAWGO MKC 425 |
| ELKINDS MKC 743 | THOMSON MKC 428 |
| ERD MKC 408 | UNION MKC 438 |
| EVANS MKC 438 | VAN DYKE MKC 42 |
| OPUS MKC 7423 | WEBB MKC 402 |
| GLIDER MKC 740 | WANDER MKC 740B |
| RECHORN MKC 7432 | ZARD MKC 740B |
| WATKINS MKC 740B | |
| W. P. H. MKC 428 | |
| KIRLES MKC 429 | |
| MAINTON MKC 417 | |
| MAINTON MKC 7421 | |
| MAINTON MKC 7433 | |
| MAINTON MKC 743 | |
| MAINTON MKC 7420 | |
| MAINTON MKC 74 | |
| MAINTON MKC 7400 | |

Tractor Beam Specifications

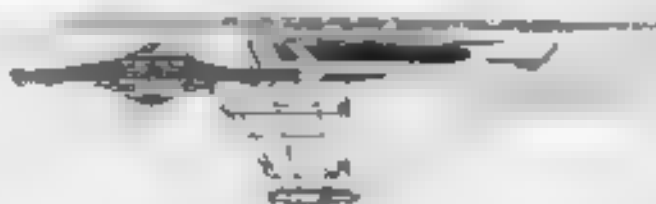
Primary Tractor Beam Load Calculator



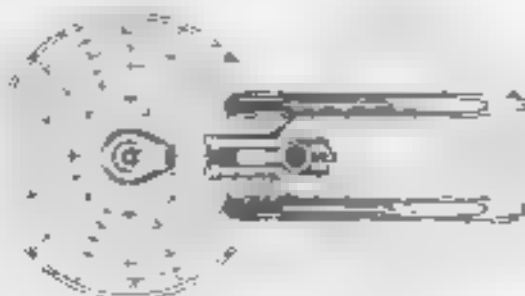
Field Length: 803.30m
Field Width: 810.83m
Field Height: 118.80m



Front Warp Field Profile
Cross Section Area: 11248.08 m²



Port Warp Field Profile
Cross Section Area: 11270.78 m²



Top Warp Field Profile
Cross Section Area: 11270.78 m²

WARP FIELDS

SRM2 04:02:04:04

STARFLEET REFERENCE MANUAL

MAGUELLANES CLASS

FEDERATION VESSEL

GUNBOAT



General Information

Specific Role: The Gunboat is a high maneuverability in-system warp capable ship primarily used in a defensive role. As a cost saving measure the hull is a modified Oberth Class research vessel upper section. The craft is armed with dual mega-phasers making it a powerful weapons platform in a very small, maneuverable package.

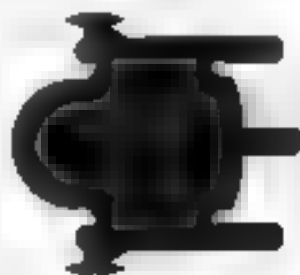
Physical Description: The SH-03/A T6 ship is equipped with additional targeting sensors and hull reinforcements. The gunboat is equipped with a TOS-A C-5 bridge which incorporates an enhanced weapons and tracking station. On the lower part of the hull is the SM-5-31 main sensor array and UN2-6T navigational dome. Positioned forward of the bridge is a (MP2-80-2C) phaser bank. Mounted onto the outboard hull on the forward nacelles are (MP2-15-2U) MegaPhasers. At the rear of the primary hull are (SR-1B-2-F) dual impulse units which are used for auxiliary power and sub warp propulsion. The vessel's warp fields are generated by three (SL-18-1-2-M) warp nacelles two attached to each side of the hull and the third attached below the hull. Running horizontally between the upper nacelles is the M-16-3-2B intermix chamber. Installed to the rear of the hull are the (AM-5-24-2P) matter/antimatter storage tanks for emergency jettisoning. On the front of the hull is a small hanger deck. In the event of an emergency the primary hull can separate from one or more of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Target Area 10400.00 m²



Top Silhouette
Area 7100.0 m²



Rear Silhouette
Area 2100.00 m²

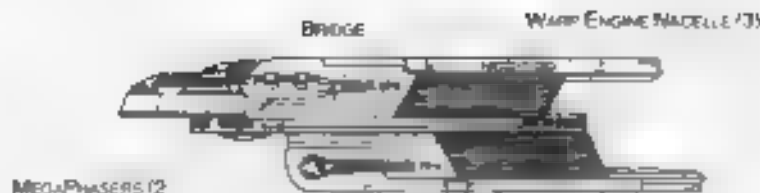


Front Silhouette
Area 1000.00 m²



GUNBOAT

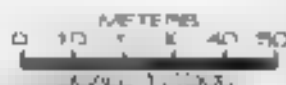
ORCA CLASS



PORT PROFILE



CROSS SECTION



Statistics

Classification: Gun Boat
Category: Assault Ship
Class: Gun
Year: 1992
Model: GUN-11
Naval Construction Contract: 100
Number Proposed: 1
Number Constructed: 88
Number in Service: 80
Number Lost: 8
Dimensions:
Overall Dimensions (Meters)
 Length: 100m
 Width: 82.22m
 Height: 26.1m
Primary Hull Dimensions (Meters)
 Length: 87.73m
 Width: 82.01m
 Height: 5.22m
Secondary Hull Dimensions (Meters)
 Length: N/A
 Width: N/A
 Height: N/A
Warp Unit Dimensions (Meters)
 Length: 83.09m
 Width: 10.65m
 Height: 7.7m
Displacement (Metric Tons)
 Light: 17,962mt
 Standard: 36,387mt
 Full Load: 40.8 Bmt
Performance:
Impulse Units: Dual Jnt IISR 08Z-EP
Impulse Engine Output: 50M J³W
Impulse Power Index: 5.43
Max Cruising: C
Acceleration Rate:
 0.00-0.25 Impulse: 0.147 sec
 0.25-0.50 Impulse: 0.221 sec
 0.50-0.75 Impulse: 0.295 sec
 0.75-Full Impulse: 0.368 sec
Warp Thriller 3 Nacelle Units (SLC3011-207)
Warp Engine Output: 2.88x10¹⁴ W
Warp Power Index: 30

Optimum Speed: Warp 4
Max. Safe Cruising: Warp 5
Emergency Speed: Warp 6.1
Max. Warp 9.9
Destructive Speed: Warp 9.2
Acceleration Power: 30
Acceleration Time:
 Warp 1 Warp 2 0.157 sec
 Warp 2 Warp 3 0.24 sec
 Warp 3 Warp 4 0.32 sec
 Warp 4 Warp 5 0.41 sec
 Warp 5 Warp 6 0.50 sec
 Warp 6 Warp 7 0.60 sec
 Warp 7 Warp 8 0.70 sec
 Warp 8 Warp 9 0.80 sec
 Warp 9 Warp 9.5 0.90 sec
 Warp 9.5 Warp 9.75 1.0 sec
 Warp 9.75 Warp 9.9 1.1 sec

Duration (Years)
Standard: Years
Maximum: 2 Years
Std. Ship Complement: 75
Officers:
 Crew (Basic Grade): 97
 Troops: 1
 Passengers: 3
Emergency condition: +92
Medical Facilities:
 Doctors: 2
 Nurses: 11
Operating Rooms: 2
Beds:

Laboratories:
Transporters Total: 2
 1 Person: 0
 2 Person: 0
 5 Person: 0
 10 Person: 0
 20 Person: 0
 Small Cargo: 0
 Medium Cargo: 0
 Large Cargo: 0
 Super Cargo: 0

Bridge:
Replicators: 4
Transfer Beams: 1
 Low Capacity: 20x10¹⁰ W
 Max Range: 100 km
Cargo Specifications:
 Standard cargo Units: 30
 Cargo Capacity: 10000
Spacecraft Specifications:
Docking Ports:
Spacecraft Bays Total:
 Small Bay: 0
 Medium Bay: 0
 Large Bay: 0
 Super Bay: 0
Spacecraft Standard: 0
Work Bays:
 Travel Pods: 0
 Aquatic Shuttle: 0
 Light Shuttle: 0
 Standard Shuttle: 2
 Heavy Shuttle: 0
 Cargo Shuttle: 1
 Assault Shuttle: 1
 Killer Bots: 1
 Fighter:
 Heavy Fighter: 0
Lifboats:
 Turbo-Lift (50 persons): 10
 Liftboat (10 persons): 0
 Liftboat (30 persons): 0
 Liftboat (50 persons): 0

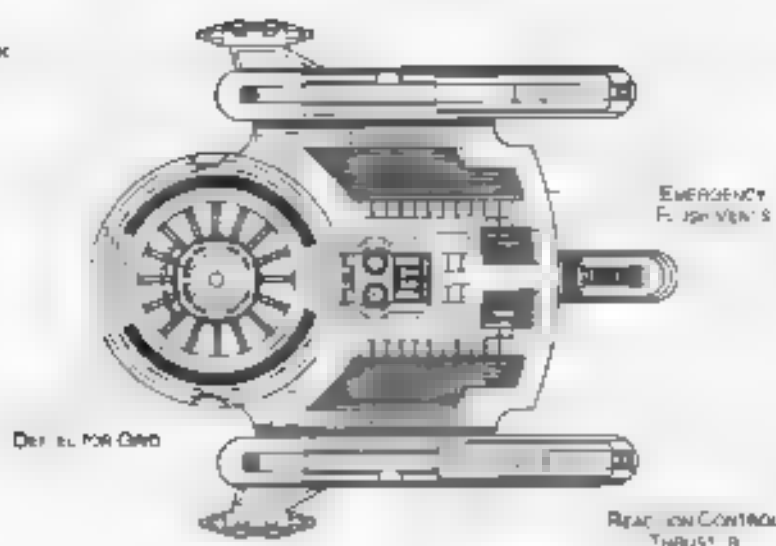
Checking Devices: 1
Sensor Index Values:
 Primary Survey: 4390
 Radar Survey: 0.4826
 Short Range: 1502
 Long Range: 328
 Navigation: 3252
 Special: 1.5867
Communications: 2
 Type: Jandrom Dubronic 14
 Type: Jandrom Dubronic 14

SCM Index: 1.0
Shield Rating:
 Shield Index: 4.88
 Holdoff Power: 1.16x10¹² W
 Refresh Rate: 1.9x10¹² W
 Breakdown Rate: 0.44x10¹² W
 Shield Dimensions (Meters)
 Length: 7.8m
 Width: 127.05m
 Height: 31.57m
Starboard:
Power Power Index: 3.74
Photon Power Index: 0
Vessel Power Index: 87
Weapon Placement:
Beam (Phasers) Total: banks 2 each
 Output: 5.0x10¹⁰ W 2.5x10¹¹ W
 Range: 2.5x10¹⁰ km
 Rate of Fire: 30 ppm Cont
Forward Banks:
 Main Banks: 0
 Port Banks: 0
 Starboard Banks: 0
 Upper Banks: 0
 Lower Banks: 0
Beam (MegaPhasers) Total: 2
 Output: 2.8x10¹² W 3x10¹² W
 Range: 1.0x10¹⁰ km
 Rate of Fire: 5 ppm Cont
Forward/Starboard Banks: 0
Port/Starboard Banks: 2
 Upper/Lower Banks: 0
Torpedoes (Photon) Total: 0
 Stock: N/A
 Range: N/A
 Output: N/A
 Rate of Fire: N/A
Forward Bay: 0
Rear Bay: 0
Port Bay: 0
Starboard Bay: 0
Upper Bay: 0
Lower Bay: 0

FEDERATION VESSEL



PHASER BANK



TOP PROFILE

MANOVR DICE



FRONT PROFILE

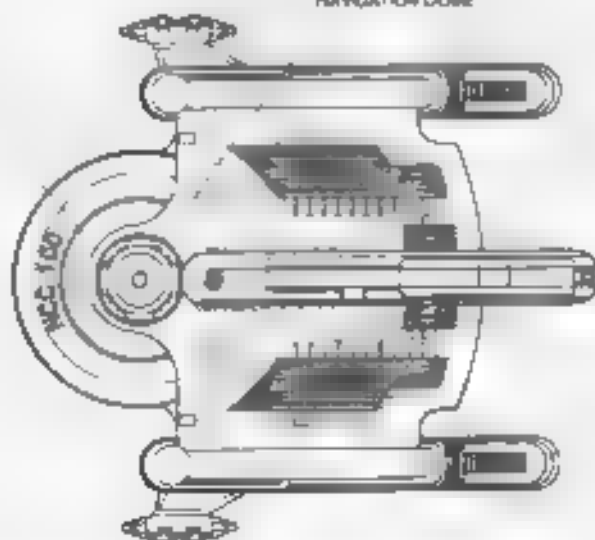
REPLACEMENT ENGINES



REAR PROFILE

MAIN SENSOR ARRAY

NAVIGATION DOME



BOTTOM PROFILE





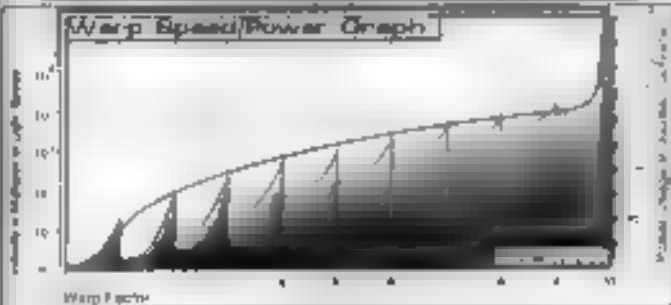
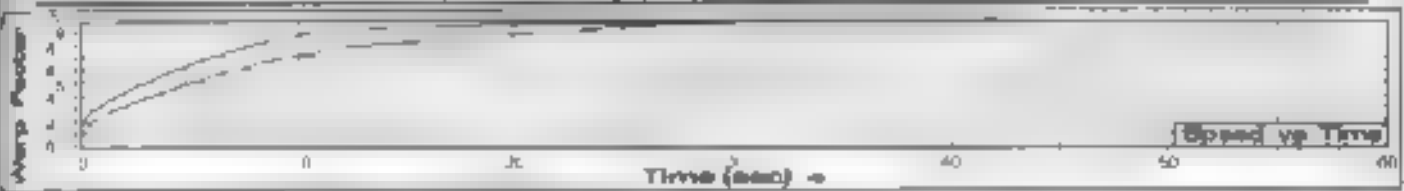
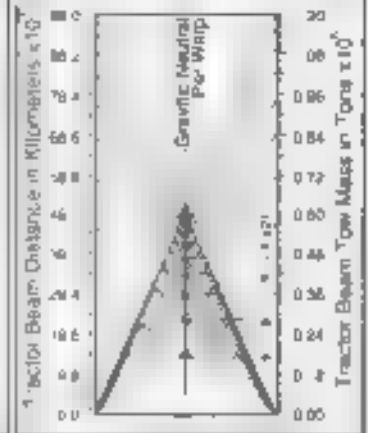
Ship Names

THE FOLLOWING SHIPS OF THE MK-II CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2200.5

| | | | |
|-------------------|-------------------|-------------|---------------|
| USEL MK-II 01 | HERMATH MK-II 40 | NE MK-II 79 | WILE MK-II 70 |
| BUMMAN MK-II 104 | HERMATH MK-II 40 | NE MK-II 79 | WILE MK-II 70 |
| BUT MK-II 17 | HCA MK-II 58 | NE MK-II 79 | WILE MK-II 70 |
| BOULE MK-II 108 | HCA MK-II 58 | NE MK-II 79 | WILE MK-II 70 |
| WHANT MK-II 20 | HCA MK-II 58 | NE MK-II 79 | WILE MK-II 70 |
| CHAMBERS MK-II 19 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| HARTON MK-II 25 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| SHARLEY MK-II 52 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| CHAM MK-II 30 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| GARRY MK-II 45 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| MAX BUFF MK-II 43 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| CHAMBER MK-II 44 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| CHAM MK-II 13 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| CHAM MK-II 104 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| CHAM MK-II 38 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| CHAM MK-II 34 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| CHAM MK-II 28 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| CHAMBER MK-II 124 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| CHAM MK-II 104 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| CHAM MK-II 4 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| CHAM MK-II 108 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| CHAM MK-II 27 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| CHAM MK-II 104 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |
| CHAM MK-II 10 | ISENBERG MK-II 66 | NE MK-II 79 | WILE MK-II 70 |

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



Field Length: 40m 33m
Field Width: 8m 70m
Field Height: 71.87m



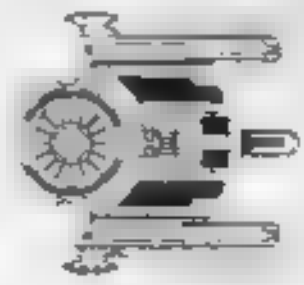
Front Warp Field Profile

Cross Section Area 7840.00 m²



Port Warp Field Profile

Cross Section Area 8000.78 m²



Top Warp Field Profile

Cross Section Area 41186.38 m²

LIGHT CORVETTE



General Information

Specific Role: The Light Corvette is an armed light escort and patrol vessel equipped with photon torpedo launchers. The ship is armed with an Avenger class photon torpedo pod allowing it to deliver a photon barrage. As a cost saving measure the hull is a modified Oberth Class research vessel upper section.

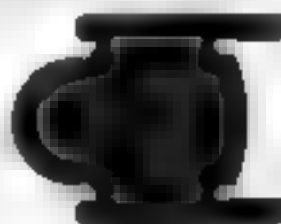
Physical Description: The (SH103 A P6) ship is equipped with additional targeting sensors and hull reinforcements. The corvette is equipped with a (BF5 A-C5) bridge which incorporates an enhanced weapons and tracking station. On the lower part of the hull is the (SM15-4C) main sensor array and (DN2-2R) navigational dome. Positioned forward of the bridge is a (BP2-30-2C) phaser bank. Sitting underneath the primary hull by two (DT-30-15C) engineering dorsals is a (PM4/50-10T) photon torpedo pod. At the rear of the primary hull are (SR10F-2 SA) dual impulse units which are used for auxiliary power and sub warp propulsion. The vessel's warp fields are generated by two (SC18-1-2RY) warp nacelles attached to each side of the hull. Running horizontally between the nacelles is the (M24-1-21) intermix chamber. Installed to the rear of the hull are the (AM3-18-2P) matter/antimatter storage tanks for emergency refueling. On the front of the hull is a small hangar deck. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Length Area 6961.00 m²



Top Silhouette
Area 6961.00 m²



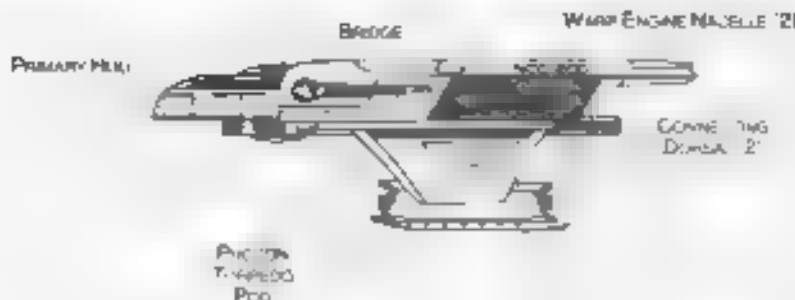
Port Silhouette
Area 1800.72 m²



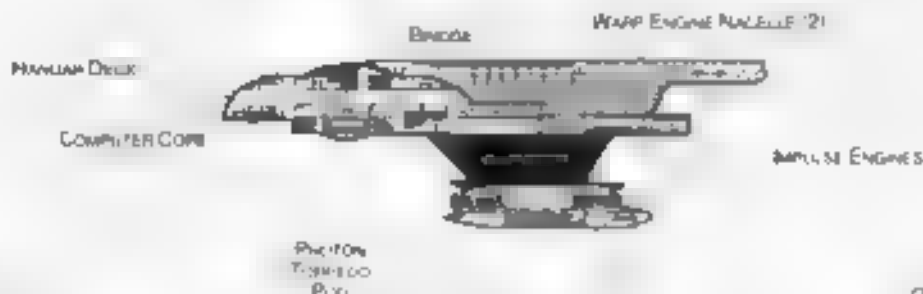


LIGHT CORVETTE

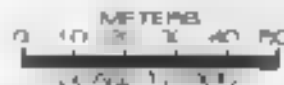
STARSHIP CLASS



PORT PROFILE



CROSS SECTION



Statistics

Classification: Light Corvette
Category: Assault Ship
Class: Intimid
Type: Class 2
Model: MH IV
Naval Construction: Designed: 200
Number Proposed: 14
Number Constructed: 82
Number in Service: 15
Number Lost: 7
Dimensions:
Overall Dimensions (Meters)
 Length: 101.73m
 Width: 82.97m
 Height: 31.43m
Primary Hull Dimensions (Meters)
 Length: 92.1m
 Width: 82.97m
 Height: 31.43m
Secondary Hull Dimensions (Meters)
 Length: N/A
 Width: N/A
 Height: N/A
Warp Unit Dimensions (Meters)
 Length: 80.19m
 Width: 10.85m
 Height: 12.7m
Displacement (Metric Tons)
 Light: 37,281mt
 Standard: 39,948mt
 Full Load: 44,595mt

Impulse Drifts: Dual Unit (SR10E2-SA)
Impulse Engine Output: 6.0×10^{13} W
Impulse Power Index: 4.84
Max Cruising: C
Acceleration Rate:
 0.00-0.25 Impulse: 0.26 sec
 0.25-0.50 Impulse: 0.243 sec
 0.50-0.75 Impulse: 0.234 sec
 0.75-Full Impulse: 0.404 sec
Warp Units: 2 Nuclei Units (SU381-2RM)
Warp Engine Output: 92×10^{14} W
Warp Power Index: 0.79

Optimum Speed: Warp 4
Max Safe Cruising: Warp 5
Emergency Speed: Warp
Max Speed: Warp 6.5
Decelerative Speed: Warp 6
Acceleration Power: 3.0
Acceleration Time:
 Warp 1: Warp 2: 1.243 sec
 Warp 2: Warp 3: 0.4 sec
 Warp 3: Warp 4: 0.2 sec
 Warp 4: Warp 5: 2.04 sec
 Warp 5: Warp 6: 1.16 sec
 Warp 6: Warp 7: 3.26 sec
 Warp 7: Warp 8: 4.664 sec
 Warp 8: Warp 9: 11.164 sec
 Warp 9: Warp 10: 24.692 sec

Personnel (Total):
 Standard: 1,000
 Maximum: 2,000
Std. Ship Complement: 79
Officers: 4
Crew (Single Grade): 60
Troops:
Passengers: 4
Emergency condition: 197

Medical Facilities:
 Doctors: 2
 Nurses:
 Operating Rooms: 2
 Beds:

Laboratories:
Transportation: Total: 2
 1 Person:
 2 Person: 0
 3 Person:
 12 Person: 0
 25 Person:
 Small Cargo: 0
 Medium Cargo: 0
 Large Cargo: 0
 Super Cargo: 0

Bridge:
Applications:
Travel: Beam
 Two Capacity: 100,000
 Max Range: 100,000

Cargo Specifications:
 Standard Cargo Units: 54
 Cargo Capacity: 100

Shuttlecraft Specifications:
 Docking Ports:

Shuttlecraft Bays: Total: 1
 Small Bay
 Medium Bay: 0
 Large Bay
 Super Bay

Shuttlecraft (Standard): 1
 Work Deck
 Travel Pods: 1

Armaments:
 Aquatic Shuttle: 0
 Light Shuttle
 Standard Shuttle: 2
 Heavy Shuttle: 1
 Cargo Shuttle
 Assault Shuttle: 2
 Killer Bee
 Fighter
 Heavy Fighter: 0

Lifelines:
 Turbidity (8 persons): 0
 Lifeline (10 persons): 1
 Lifeline (20 persons): 0
 Lifeline (30 persons): 0

Cloaking Devices:
Power: 1000
 Planetary Shield: 1000
 Stellar Shield: 1000
 Shield Range: 1000
 Long Range: 1000
 Navigation: 1000
 Special: 1000

Communications:
 Type: Intercom: 1000
 Type: Laser: 1000

ECM Index: 0.7
Shield Rating:
 Shield Index: 3.43
 Shield Power: 24×10^{12} W
 Shield Rate: 6×10^{12} W
 Breakdown Rate: 6×10^{12} W
 Shield Dimensions (Meters)
 Length: 101.73m
 Width: 82.97m
 Height: 31.43m

Weapons:
 Phaser Power Index: 0.549
 Photon Power Index: 5.82
 Torpedo Power Index: 0.9
Weapon Placement:

Beam (Phasers) Total: 1000
 Output: 5.0e10 W
 Range: 2.0e10 W

Rate of Fire: 100 ppm
Forward Banks:
 Star Banks: 0
 Port Banks: 0
 Starboard Banks: 0
 Upper Banks: 0
 Lower Banks: 0

Beam (Torpedoes) Total: 0
 Output: 1eA
 Range: 1eA

Rate of Fire: N/A
Forward/Star Banks: 0
Port/Starboard Banks: 0
Upper/Lower Banks: 0

Torpedoes (Phasers) Total: 2 Bay 2 each
 Beam: 80

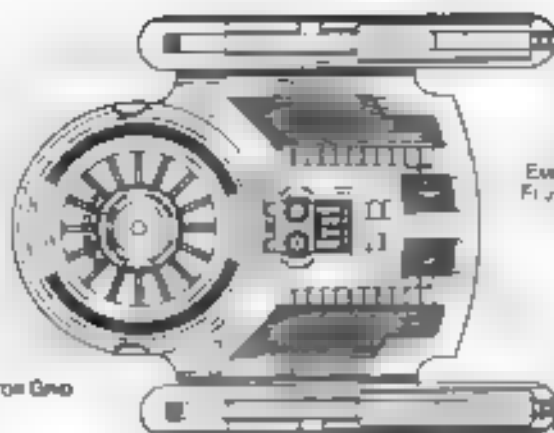
Range: 2.0e10 W
Output: 1eA
Rate of Fire: 100 ppm
Forward Bay:
 Star Bay
 Port Bay
 Starboard Bay: 0
 Upper Bay: 0
 Lower Bay: 0

FEDERATION VESSEL

LIGHT CORVETTE



PHASER BANK



EMERGENCY
FLIGHT VENTS

DEFLECTOR GRID

REACTION CONTROL
THRUSTER

TOP PROFILE

MANOA DECK



FORWARD PHOTON
TORPEDO TUBES (2)

IMPULSE ENGINES



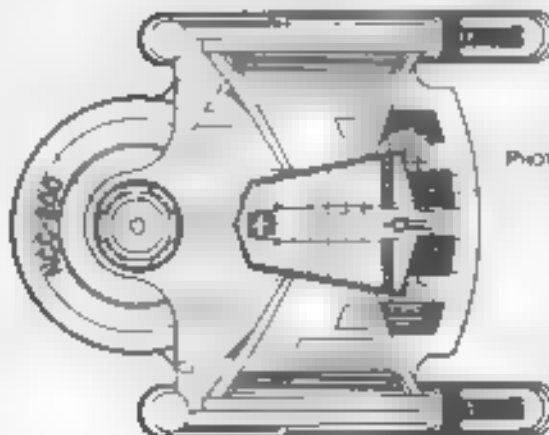
REAR PHOTON
TORPEDO TUBES (2)

FRONT PROFILE

REAR PROFILE

MAIN SENSOR
ARRAY

NAVIGATION CONE



PHOTON TORPEDO POD

BOTTOM PROFILE





LIGHT: CORVETTE

Ship Names

THE FOLLOWING SHIPS OF THE MK-IV CLASS WERE AUTHORIZED BY THE AMENDED ARTICLE OF FEDERATION OF STARDATE 2000.6

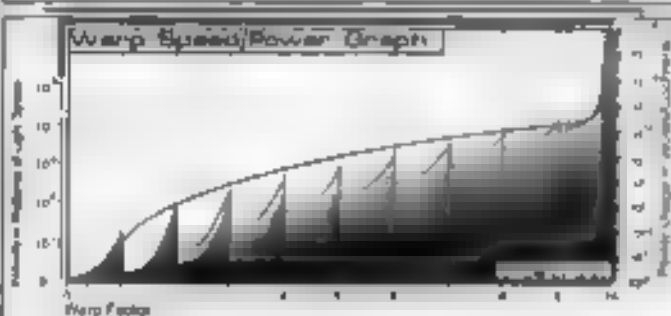
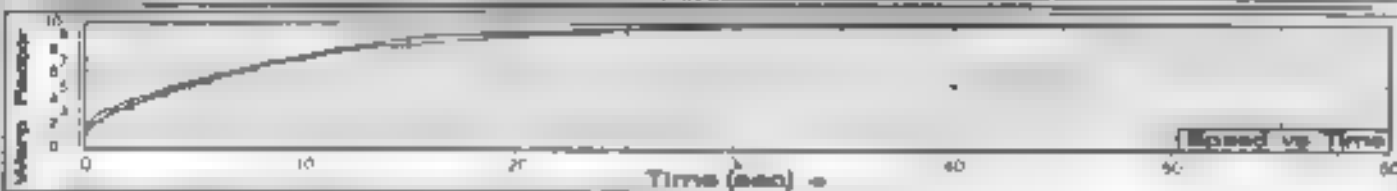
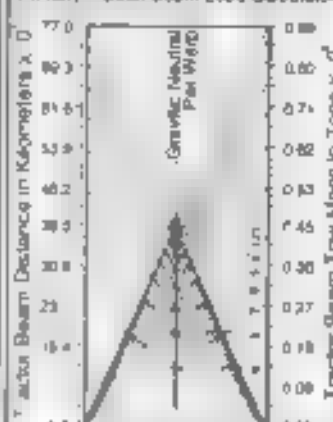
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 99 2 2
 100 2 2

[illegible]

Tractor Beam Specifications

Primary Joint Beam Load Calculations



Postal Language: 3400 10000
 Postal Watch: 2 1000 10000
 Postal House: 1000 10000



Front Wave Field Profiles

From *Journal of the American Medical Association*, 2001; 286: 1111-1116.



Port Warp Field Profile

© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 102–110



Top Warp Field Profile

Crane Model: AWC 30001.04 m

WARP FIELDS

SAM2 04:02:06:04

STARFLEET REFERENCE MANUAL

YESTER CLASS

FEDERATION VESSEL

PENETRATION CRUISER



General Information

Specific Role: The Penetration Cruiser is a swift, deep penetration, point assault ship. In addition to extensive ECM, ECCM equipment and high powered shields, the small frontal target area and heavy forward fire power make it well suited for deep surgical strikes in heavily defended positions. The cruiser is also equipped with advanced warp nacelles to give it superior acceleration and maneuverability. Although many crew quarters were limited in order to maintain the cruiser's stringent design criteria, top notch volunteers are rarely in short supply.

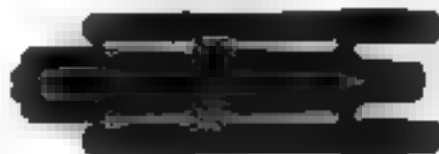
Physical Description: The (PH217/A M15) reinforced double thick hull is equipped with additional targeting sensors and a small hangar deck located amid-ship. Integrated into the standard deflector grid are extensive electronic counter measures to make the vessel more stealthy. The hull is equipped with an (BS10/A-T7) assault bridge which incorporates an enhanced weapons and tracking station. On the lower part of the hull is the (SM48/5G) main sensor array and (DN4-4 G) navigational dome. Mounted to port, starboard and bow directly below the bridge are three (LP2-30-2C) phaser banks. Additional (SP2/30-2C) phaser banks are located front and rear on the underside of the hull. Above and to the rear of the bridge connected by a (L-15-5D) support pylon are six (MP2-15-2S) Megaphasers. To the front is the (PH2/25-20N) photon torpedo bay. At the rear of the hull are the (TTRK-4-2A) dual impulse thrusters which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SY7-1-5B) advanced warp nacelles attached to the hull by (DL-10-6C) support pylons. The vessel is also equipped with additional inertial dampeners to compensate for its increased maneuvering capabilities. On the front of the hull are two (DN1/A-4) navigational defectors to assist the navigational shields in deflecting oncoming debris. Running longitudinally to the rear of the hull are the (M36/6-3) antimatter chamber and (AMK-48-5D) matter/antimatter storage tanks which allow for emergency jet-soning. In the event of an emergency, the nacelles can be jettisoned and the hull can maneuver on impulse power for extended periods of time.

Class Emblem



Ship Silhouettes

Total Target Area: 80188.40 m²



Top Silhouette
Area: 14018.48 m²



Port Silhouette
Area: 48950.00 m²

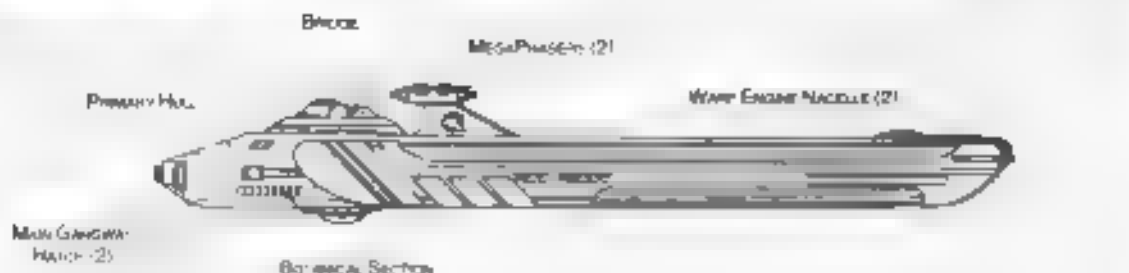


Front Silhouette
Area: 1987.92 m²

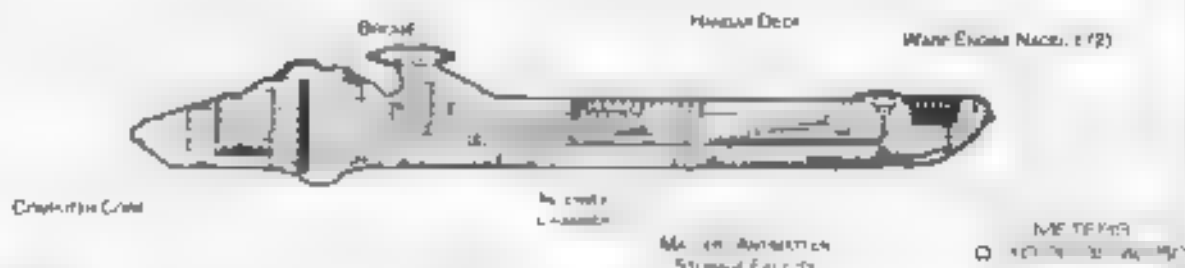


PENETRATION CRUISER

HOLLINGSWORTH CLASS



PORT PROFILE



Statistics

Classification: Penetration Cruiser

Category: Armed Ship

Class: Hollingsworth

Type: Mk II

Model: MK II

Naval Construction Cost: 40000

Number Proposed: 2

Number Constructed: 5

Number in Service: 5

Number Lost: 0

Dimensions:

Overall Dimensions (Meters)

Length: 4.1m

Width: 4.5m

Height: 34.1m

Primary Hull Dimensions (Meters)

Length: 20.0m

Width: 37.5m

Height: 3.5m

Secondary Hull Dimensions (Meters)

Length: N/A

Width: N/A

Height: N/A

Warp Unit Dimensions (Meters)

Length: 5m

Width: 26.8m

Height: 7.5m

Displacement (Metric Tons)

Light: 75.0 tons

Standard: 100.0 tons

Full Load: 2.0752 tons

Performance:

Impulse Units: Dual Jnr IP1865/4 CM

Impulse Engines Output: 7.6x 10¹³ W

Impulse Power Index: 050

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.2 sec

0.25-0.50 Impulse: 0.267 sec

0.50-0.75 Impulse: 0.32 sec

0.75-Full Impulse: 0.478 sec

Warp Drive: 2 Nacelle Inds (SY771158M)

Warp Engine Output: 2.5x 10¹³ W

Warp Power Index: 88

Optimum Speed: Warp 7

Max Safe Cruising: Warp 8.4

Emergency Speed: Warp 9.52

Max Speed: Warp 12

Destructive Speed: Warp 8.62

Acceleration Power: 0

Acceleration Time:

Warp 1: Warp 2: 0.08 sec

Warp 2: Warp 3: 0.16 sec

Warp 3: Warp 4: 0.24 sec

Warp 4: Warp 5: 0.32 sec

Warp 5: Warp 6: 0.40 sec

Warp 6: Warp 7: 0.48 sec

Warp 7: Warp 8: 0.56 sec

Warp 8: Warp 9: 0.64 sec

Warp 9: Warp 10: 0.72 sec

Warp 10: Warp 11: 0.80 sec

Warp 11: Warp 12: 0.88 sec

Warp 12: Warp 13: 0.96 sec

Warp 13: Warp 14: 1.04 sec

Warp 14: Warp 15: 1.12 sec

Warp 15: Warp 16: 1.20 sec

Warp 16: Warp 17: 1.28 sec

Warp 17: Warp 18: 1.36 sec

Warp 18: Warp 19: 1.44 sec

Warp 19: Warp 20: 1.52 sec

Warp 20: Warp 21: 1.60 sec

Warp 21: Warp 22: 1.68 sec

Warp 22: Warp 23: 1.76 sec

Warp 23: Warp 24: 1.84 sec

Warp 24: Warp 25: 1.92 sec

Warp 25: Warp 26: 2.00 sec

Warp 26: Warp 27: 2.08 sec

Warp 27: Warp 28: 2.16 sec

Warp 28: Warp 29: 2.24 sec

Warp 29: Warp 30: 2.32 sec

Warp 30: Warp 31: 2.40 sec

Warp 31: Warp 32: 2.48 sec

Warp 32: Warp 33: 2.56 sec

Warp 33: Warp 34: 2.64 sec

Warp 34: Warp 35: 2.72 sec

Warp 35: Warp 36: 2.80 sec

Warp 36: Warp 37: 2.88 sec

Warp 37: Warp 38: 2.96 sec

Warp 38: Warp 39: 3.04 sec

Warp 39: Warp 40: 3.12 sec

Bridge:

Replicators: 14

Isolate Beams: 1

Torpedo Capacity: 72 (Max)

Max Range: 1000m

Cargo Specifications:

Standard Cargo Units: 154

Cargo Capacity: 1.00m

Shuttlecraft Specifications:

Docking Ports:

Shuttlecraft Bays Total:

Small Bay:

Medium Bay: 1

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 21

Work Bays:

Troop Pods:

Aquatic Shuttle: 0

Light Shuttle:

Standard Shuttle: 5

Heavy Shuttle:

Cargo Shuttle:

Assault Shuttle: 1

EFV: 0

Fighter: 4

Heavy Fighter: 3

Lifeboats: 37

Turbolift (0 person): 22

Lifeboat (10 person): 1

Lifeboat (20 person): 5

Lifeboat (30 person): 0

Cooking Devices:

General Index: 100m

Planetary Survey: 1073

Orbital Survey: 4775

Short Range: 5205

Long Range: 2354

Navigation: 8000

Special: 9387

Comms: 2

Type: 14.000m Duoband II

Type: 0.0000m Duoband II

BCM Index: 517.0

Shield Rating:

Shield Index: 10

Shield Power: 4.82x 10¹⁴ W

Shield Rate: 374.01 W

Breakdown Rate: 846.01 W

Shield Dimensions (Meters):

Length: 2.4m

Width: 4.5m

Height: 4.5m

Weapons:

Photon Power Index: 1.10

Photon Power Index: 8.73

Vessel Power Index: 3.84

Troop Placement:

Beam (Photon) Total: 6 banks 2 each

Output: 6.0x 10¹⁰ W 2.6x 10¹⁰ W

Range: 2.5x 10³ km

Rate of Fire: 30 ppm Cont

Forward Banks: 1

Rear Banks: 0

Port Banks:

Starboard Banks:

Upper Banks: 0

Lower Banks: 2

Beam (MegaPhaser) Total: 2

Output: 2.6x 10¹² W 3x 10¹² W

Range: 0x 10³ km

Rate of Fire: 5 ppm Cont

Forward/Rear Banks: 2

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: Bay 2 each

Output: 00

Range: 2.0x 10³ km

Output: 0-50 Megatons

Rate of Fire: 20 ppm

Forward Bay:

Rear Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

FEDERATION VESSEL

PENETRATION CRUISER

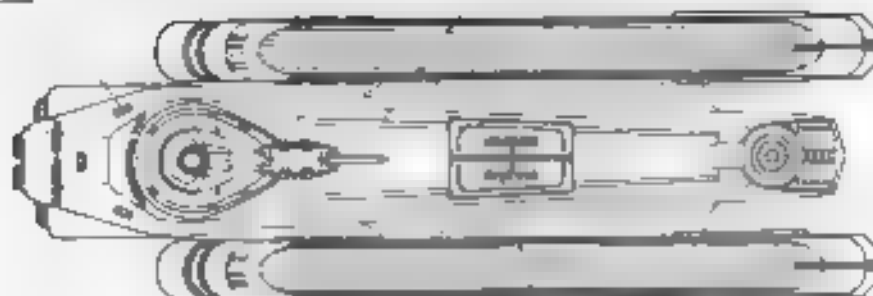


FROM: NGSWORTH ELA 01

FEDERATION 03881

PHASER BANK

DEFLECTOR GRID



MAIN DECK

REACTION CONTROL
THRUSTERS



WALL-MOUNTED ENGINES

PHOTON
TORPEDO TUBES (2)



REINFORCED DEFLECTOR (2)



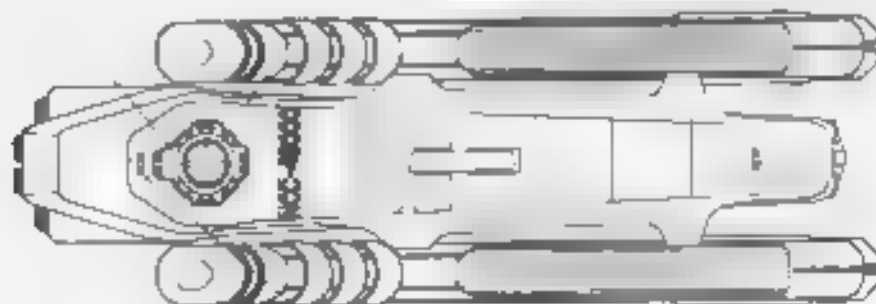
FRONT PROFILE

REAR PROFILE

MAIN SCANNING
APERTURE

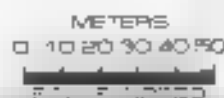
NAVIGATION DOME

REACTION CONTROL
THRUSTERS



PHASER BANKS

BOTTOM PROFILE





PENETRATION CRUISER

Ship Names

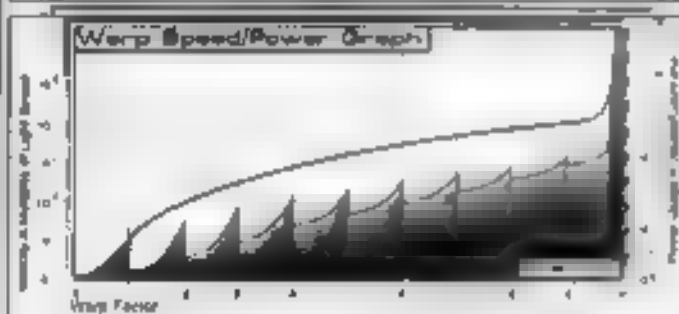
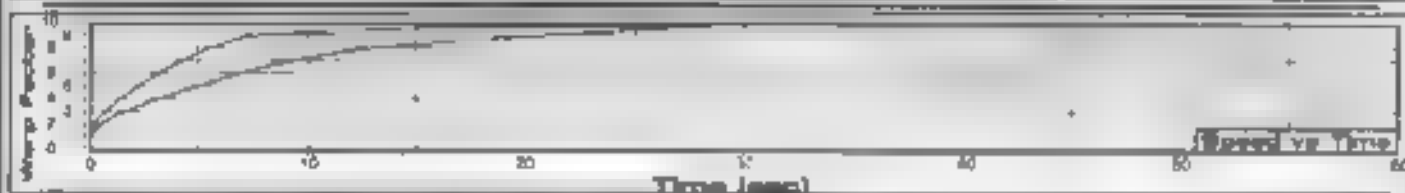
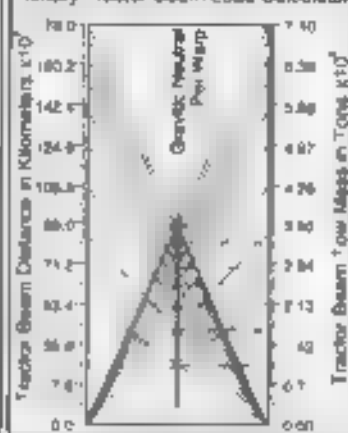
THE FOLLOWING SHIPS OF THE MK VI CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2274.1

BEATTIE #NCC-4801
 CAMPBELL #NCC-4802
 COOK #NCC-4803
 GILLES #NCC-4804
 HOLLINGSWORTH #NCC-4805
 HOLLER #NCC-4806
 JEROME #NCC-4807
 KENNARD #NCC-4808
 MCPHERSON #NCC-4809
 HADFIELD #NCC-4810
 SUTHERLAND #NCC-4811
 SUTTON #NCC-4812

CLASS SHIP, LOST IN THE LINE OF DUTY. RECORDED ALL NAMES ENDING WITH "A.B.C."

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



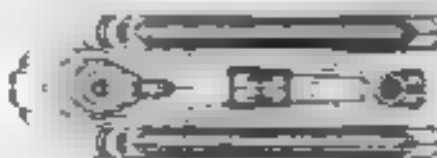
Field Length 884.61m
 Field Width 170.70m
 Field Height 84.90m



Front Warp Field Profile
 Gross Section Area 10843.78 m²



Port Warp Field Profile
 Gross Section Area 94757.44 m²



Top Warp Field Profile
 Gross Section Area 73317.00 m²

WARP FIELDS

SRM2 04:02:07:04

STARFLEET REFERENCE MANUAL

HOLLINGSWORTH

FEDERATION VESSEL

STRIKE CRUISER



General Information

Specific Role: The Strike Cruiser is designed to deliver special forces and fighter craft to heavily defended targets. The vessel's speed and low profile allow it to infiltrate contested zones, deliver its assault detachment, and then move into a support position. The vessel contains extensive ECM equipment, sensors, and heavy shields to help it survive and support its assault teams.

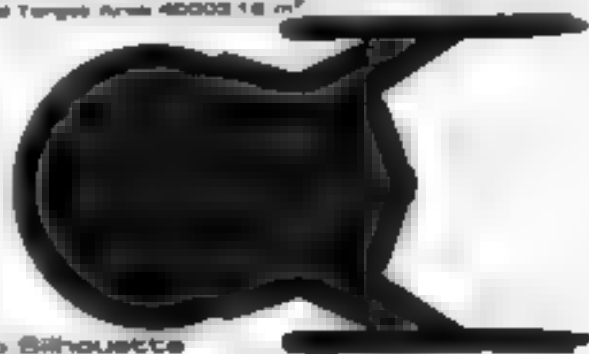
Physical Description: The (PIE212/A-M4) hull is equipped with additional targeting sensors and hull reinforcements. Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. The hull is equipped with the (BS10/A-19) bridge which incorporates larger, more elaborate weapons, surveillance, and tracking stations. On the lower part of the hull is the (SM49/7J) main sensor array and (DN4/2-G) navigational dome located on the port, starboard, and bow of the hull (both top and bottom) are six (SP2/4-20) phaser banks. Above the hull and powered by a dorsal (DJ/20-3A) support pylon are (MP2-15-25) Smeared MegaPhasers. Port and starboard on the upper primary hull, forward of the raised extension, are the (DN2-G-4-2) navigational deflectors used to assist the navigational shields in deflecting oncoming debris. Two medium hangar decks are installed, one on either side of the impulse engines, in the rear of the primary hull. To the rear of the hull are (1146F/5-KL) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp drive is generated by two (SW52/1-5F18) warp nacelles attached to each side of the primary hull by (DL-25-7J) support pylons. In the stern of the hull are the (M46-4-2G) intermix chamber and (AM8/48-3-J) matter/antimatter storage tanks. The storage tanks are located below the impulse engines for emergency jettisoning. Below the hull and supported by a (DL-38-12C) connecting dorsal is a (PB3/50-30L) photon torpedo pod. In the event of an emergency, the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle's impulse power.

Class Emblem



Ship Silhouettes

Total Target Area: 40000.16 m²



Top Silhouette
Area: 31688.08 m²



Port Silhouette
Area: 8800.84 m²



Front Silhouette
Area: 2042.24 m²



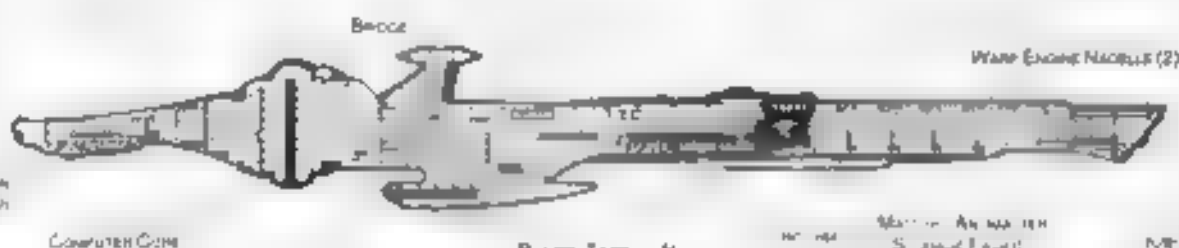
STRIKE CRUISER

MAXWELL CLASS

PROBATION VESSEL



PORT PROFILE



CROSS SECTION

Statistics

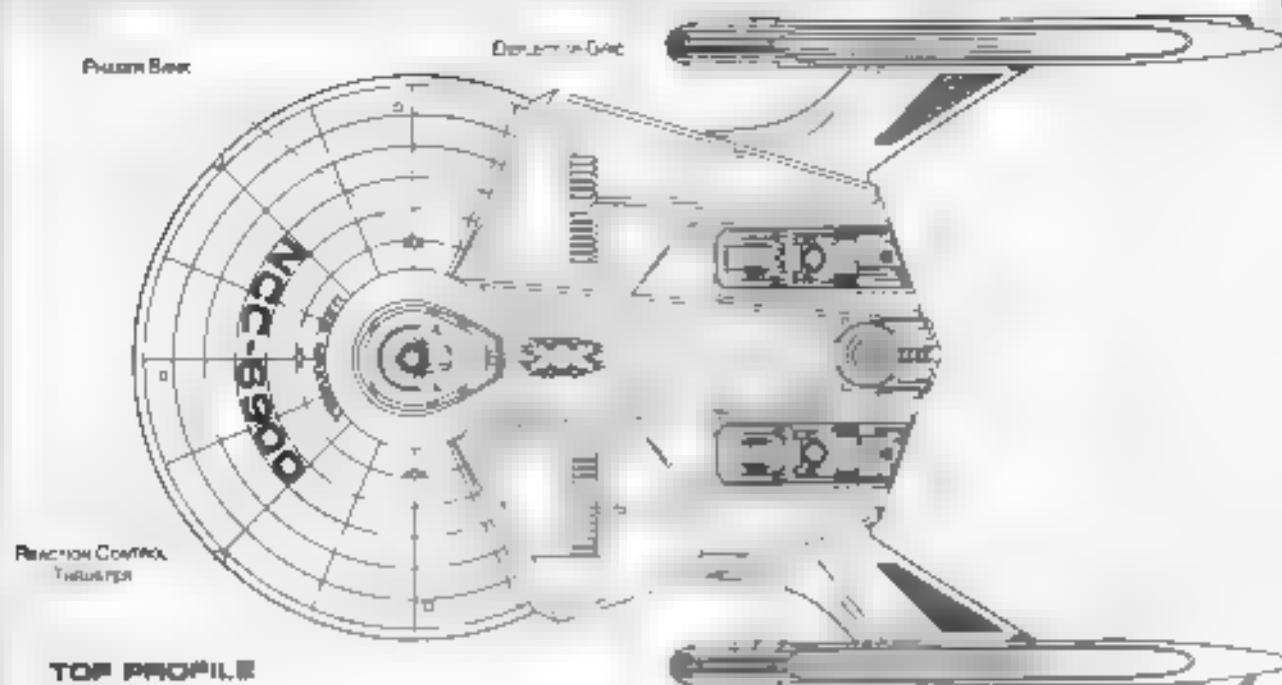
Classification: Probation Vessel
Category: Assault Ship
Class: Maxwell
Type: MC
Model: MC VII
Naval Construction Contract: 8900
Number Proposed: 42
Number Constructed: 36
Number in Service: 36
Number Lost: 0
Dimensions:
Overall Dimensions (Meters):
 Length: 291.3m
 Width: 4.0m
 Height: 40.80m
Primary Hull Dimensions (Meters):
 Length: 252.33m
 Width: 4.0m
 Height: 32.94m
Secondary Hull Dimensions (Meters):
 Length: N/A
 Width: N/A
 Height: N/A
Warp (Hull) Dimensions (Meters):
 Length: 54.8m
 Width: 2.63m
 Height: 18.32m
Displacement (Metric Tons):
 Light: 177.92 mt
 Standard: 190.033mt
 Full Load: 2 x 197mt
Performance:
 Impulse Unit: Dual Unit (WFF35E/S-KL)
 Impulse Engine Output: 7.8×10^{13} W
 Impulse Power Index: 040
 Max Cranking: C
 Acceleration Rate:
 0.00-0.25 Impulse: 0.92 sec
 0.25-0.50 Impulse: 0.289 sec
 0.50-0.75 Impulse: 0.185 sec
 0.75-Full Impulse: 0.48 sec
 Warp Units: 2 Nacelle Units (WYS21-SFR)
 Warp Engine Output: 1.2×10^{15} W
 Warp Power Index: 040

Optimum Speed: Warp 4
Max Safe Cruising: Warp 7
Emergency Speed: Warp 8.8
Max Speed: Warp 9.7
Destructive Speed: Warp 9.95
Acceleration Power: 30
Acceleration Times:
 Warp 1 Warp 2: 02 sec
 Warp 2 Warp 3: 0.33 sec
 Warp 3 Warp 4: 0.14 sec
 Warp 4 Warp 5: 0.14 sec
 Warp 5 Warp 6: 0.09 sec
 Warp 6 Warp 7: 0.14 sec
 Warp 7 Warp 8: 0.05 sec
 Warp 8 Warp 9: 0.05 sec
 Warp 9 Warp 9.5: 0.04 sec
 Warp 9.5 Warp 9.75: 0.30 sec
 Warp 9.75 Warp 9.95: 0.95 sec
Duration (Years):
 Standard: 4 Years
 Maximum: 20 Years
Min. Ship Complement: 578
 Officers: 46
 Crew (Ensign Grade): 420
 Troops: 13
 Passengers: 38
 Emergency complement: +891
Medical Facilities:
 Doctors: 8
 Nurses: 12
 Operating Rooms: 5
 Beds: 12
Laboratories: 6
Transporters Total: 12
 4 Person
 2 Person: 0
 8 Person: 5
 12 Person: 0
 22 Person: 5
 Small Cargo: 1
 Medium Cargo: 3
 Large Cargo: 0
 Super Cargo: 0

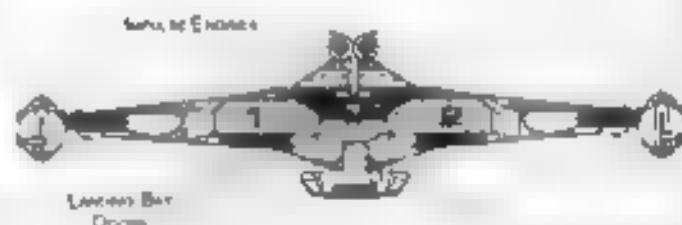
Bridge:
 Bridge: 14
 Tactical Control: 1
 View: 14
 Main Range: 14
Large Installation:
 Standard Cargo Units: 219
 Cargo Capacity: 11.4t
Standard Specifications:
 De-Tank Ports: 1
 Minimum Safe Days Total: 2
 Small Bay
 Medium Bay: 2
 Large Bay
 Super Bay: 0
Standard Standard: 17
 Work Bay: 1
 Travel Pad: 1
 Aquatic Shuttle: 0
 Light Shuttle
 Standard Shuttle: 8
 Heavy Shuttle: 0
 Cargo Shuttle: 1
 Aquatic Shuttle: 5
 Killer: 0
 Fighter
 Heavy Fighter: 8
 Lifeboats: 12
 Turbo: 18 personal: 2
 Lifeboat: 10 personal: 19
 Lifeboat: 30 personal: 8
 Lifeboat: 30 personal: 1
Cooking Devices:
 Main: 14
 Planetary Survey: 8754
 Medical Survey: 322
 Short Range: 832
 Long Range: 9852
 Navigation: 2252
 Special: 9406
Collection: 1
 Type: 1
 Type: 1

PCM Index: 38
Shield Rating:
 Shield Index: 1.21
 Shield Power: 3.7×10^{12} W
 Refresh Rate: 1.0×10^{12} W
 Breakdown Rate: 1.2×10^{12} W
 Shield Dimensions (Meters):
 Length: 10.0m
 Width: 1.40m
 Height: 0.6m
Weapons:
 Phaser Power Index: 1.22
 Photon Power Index: 1.8
 Vessel Power Index: 3.45
Weapon Placement:
 Beam (Phasers) Total: 8 banks 2 each
 Output: 5.0×10^{12} W 2.5×10^{12} W
 Range: 2.5×10^5 km
 Rate of Fire: 30 ppm Cont
 Forward Banks: 2
 Rear Banks: 0
 Port Banks: 2
 Starboard Banks: 2
 Upper Banks: 0
 Lower Banks: 0
 Beam (Megaphasers) Total: 2
 Output: 2.5×10^{12} W 3.5×10^{12} W
 Range: 1.0×10^5 km
 Rate of Fire: 5 ppm Cont
 Forward/Rear Banks: 0
 Port/Starboard Banks: 0
 Upper/Lower Banks: 0
 Torpedoes (Photon) Total: 1 Bay 8 each
 Work: 30
 Range: 2.0×10^5 km
 Output: $10-50$ Megatons
 Rate of Fire: 10 ppm
 Forward Bay: 1
 Rear Bay: 0
 Port Bay: 0
 Starboard Bay: 0
 Upper Bay: 0
 Lower Bay: 0

STRIKE CRUISER

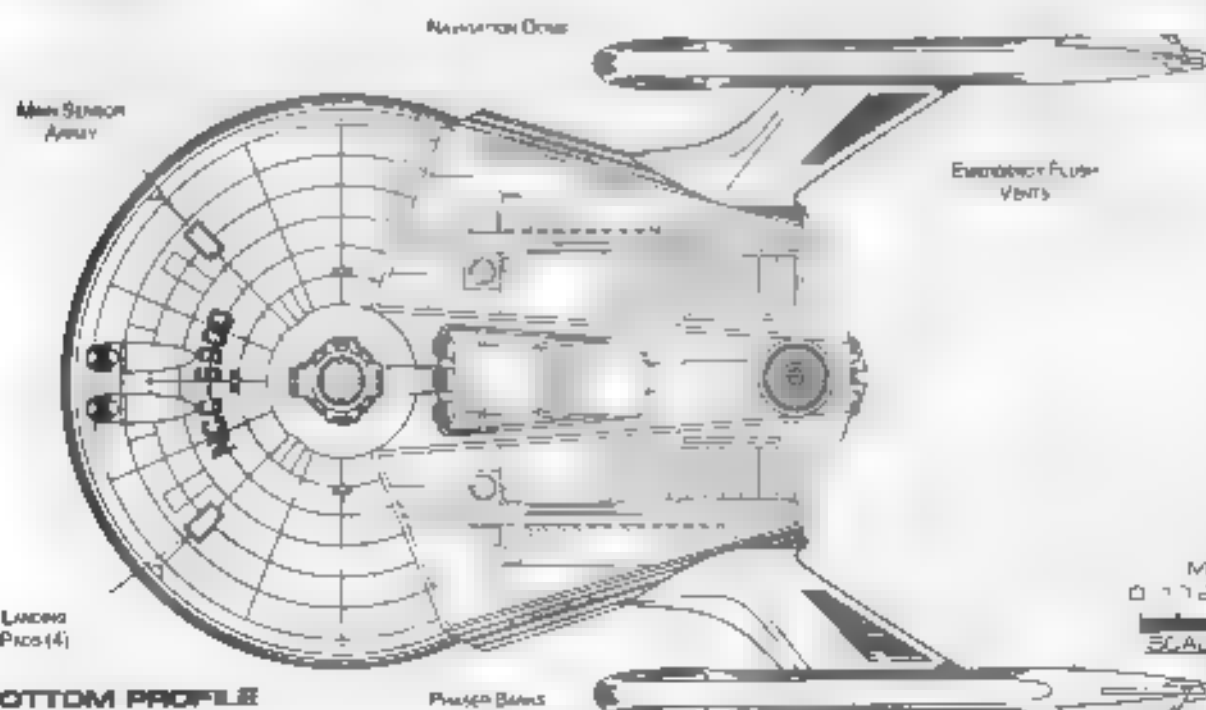


PHOTON TORPEDO
TUBES (3)
FRONT PROFILE



REAR PROFILE

REACTION CONTROL
THRUSTERS



BOTTOM PROFILE

ME EPS
0 1 20 30 40 50
SCALE 1:2000



Ship Names

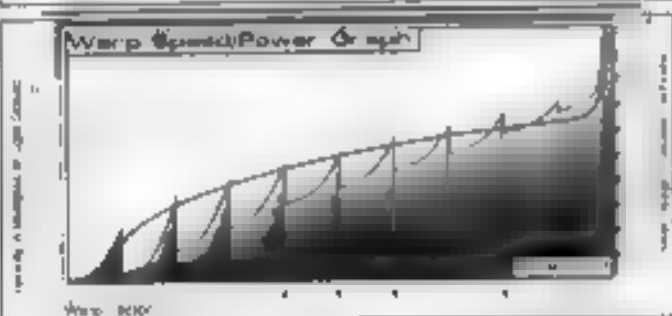
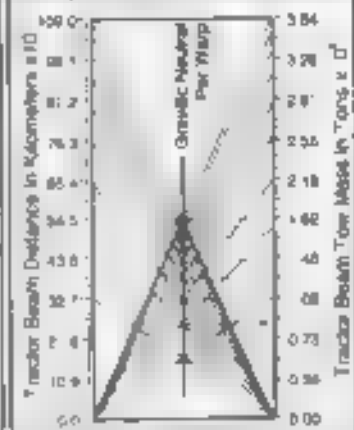
THE FOLLOWING SHIPS OF THE MK VII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2273.1

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| MHRAM MKC 100 MHTAGA MKC 101 MHSIO MKC 102 MHSIO MKC 103 MHSIO MKC 104 MHSIO MKC 105 MHSIO MKC 106 MHSIO MKC 107 MHSIO MKC 108 MHSIO MKC 109 MHSIO MKC 110 MHSIO MKC 111 MHSIO MKC 112 MHSIO MKC 113 MHSIO MKC 114 MHSIO MKC 115 MHSIO MKC 116 MHSIO MKC 117 MHSIO MKC 118 MHSIO MKC 119 MHSIO MKC 120 MHSIO MKC 121 MHSIO MKC 122 MHSIO MKC 123 MHSIO MKC 124 MHSIO MKC 125 MHSIO MKC 126 MHSIO MKC 127 MHSIO MKC 128 MHSIO MKC 129 MHSIO MKC 130 MHSIO MKC 131 MHSIO MKC 132 MHSIO MKC 133 MHSIO MKC 134 MHSIO MKC 135 MHSIO MKC 136 MHSIO MKC 137 MHSIO MKC 138 MHSIO MKC 139 MHSIO MKC 140 MHSIO MKC 141 MHSIO MKC 142 MHSIO MKC 143 MHSIO MKC 144 MHSIO MKC 145 MHSIO MKC 146 MHSIO MKC 147 MHSIO MKC 148 MHSIO MKC 149 MHSIO MKC 150 MHSIO MKC 151 MHSIO MKC 152 MHSIO MKC 153 MHSIO MKC 154 MHSIO MKC 155 MHSIO MKC 156 MHSIO MKC 157 MHSIO MKC 158 MHSIO MKC 159 MHSIO MKC 160 MHSIO MKC 161 MHSIO MKC 162 MHSIO MKC 163 MHSIO MKC 164 MHSIO MKC 165 MHSIO MKC 166 MHSIO MKC 167 MHSIO MKC 168 MHSIO MKC 169 MHSIO MKC 170 MHSIO MKC 171 MHSIO MKC 172 MHSIO MKC 173 MHSIO MKC 174 MHSIO MKC 175 MHSIO MKC 176 MHSIO MKC 177 MHSIO MKC 178 MHSIO MKC 179 MHSIO MKC 180 MHSIO MKC 181 MHSIO MKC 182 MHSIO MKC 183 MHSIO MKC 184 MHSIO MKC 185 MHSIO MKC 186 MHSIO MKC 187 MHSIO MKC 188 MHSIO MKC 189 MHSIO MKC 190 MHSIO MKC 191 MHSIO MKC 192 MHSIO MKC 193 MHSIO MKC 194 MHSIO MKC 195 MHSIO MKC 196 MHSIO MKC 197 MHSIO MKC 198 MHSIO MKC 199 MHSIO MKC 200 | MHSIO MKC 201 MHSIO MKC 202 MHSIO MKC 203 MHSIO MKC 204 MHSIO MKC 205 MHSIO MKC 206 MHSIO MKC 207 MHSIO MKC 208 MHSIO MKC 209 MHSIO MKC 210 MHSIO MKC 211 MHSIO MKC 212 MHSIO MKC 213 MHSIO MKC 214 MHSIO MKC 215 MHSIO MKC 216 MHSIO MKC 217 MHSIO MKC 218 MHSIO MKC 219 MHSIO MKC 220 MHSIO MKC 221 MHSIO MKC 222 MHSIO MKC 223 MHSIO MKC 224 MHSIO MKC 225 MHSIO MKC 226 MHSIO MKC 227 MHSIO MKC 228 MHSIO MKC 229 MHSIO MKC 230 MHSIO MKC 231 MHSIO MKC 232 MHSIO MKC 233 MHSIO MKC 234 MHSIO MKC 235 MHSIO MKC 236 MHSIO MKC 237 MHSIO MKC 238 MHSIO MKC 239 MHSIO MKC 240 MHSIO MKC 241 MHSIO MKC 242 MHSIO MKC 243 MHSIO MKC 244 MHSIO MKC 245 MHSIO MKC 246 MHSIO MKC 247 MHSIO MKC 248 MHSIO MKC 249 MHSIO MKC 250 MHSIO MKC 251 MHSIO MKC 252 MHSIO MKC 253 MHSIO MKC 254 MHSIO MKC 255 MHSIO MKC 256 MHSIO MKC 257 MHSIO MKC 258 MHSIO MKC 259 MHSIO MKC 260 MHSIO MKC 261 MHSIO MKC 262 MHSIO MKC 263 MHSIO MKC 264 MHSIO MKC 265 MHSIO MKC 266 MHSIO MKC 267 MHSIO MKC 268 MHSIO MKC 269 MHSIO MKC 270 MHSIO MKC 271 MHSIO MKC 272 MHSIO MKC 273 MHSIO MKC 274 MHSIO MKC 275 MHSIO MKC 276 MHSIO MKC 277 MHSIO MKC 278 MHSIO MKC 279 MHSIO MKC 280 MHSIO MKC 281 MHSIO MKC 282 MHSIO MKC 283 MHSIO MKC 284 MHSIO MKC 285 MHSIO MKC 286 MHSIO MKC 287 MHSIO MKC 288 MHSIO MKC 289 MHSIO MKC 290 MHSIO MKC 291 MHSIO MKC 292 MHSIO MKC 293 MHSIO MKC 294 MHSIO MKC 295 MHSIO MKC 296 MHSIO MKC 297 MHSIO MKC 298 MHSIO MKC 299 MHSIO MKC 300 |
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CLASS SHIP, LOST IN THE LINE OF DUTY. "PROPOSED ALL NAMES PREFIXED WITH 'U.S.S.'"

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



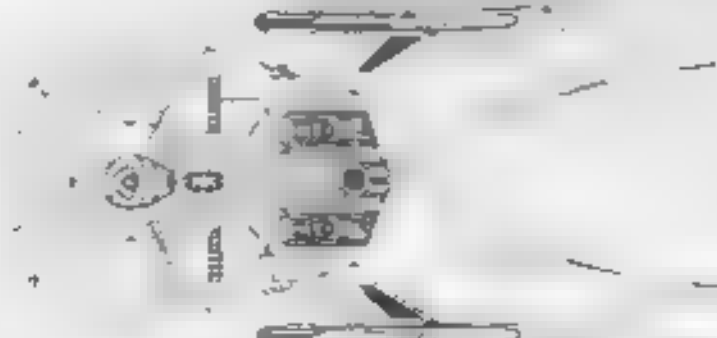
Power Length: 600 70m
Power Width: 200 5m
Power Height: 20 20m



Front Warp Field Profile
Cross Section Area 14830.00 m²



Port Warp Field Profile
Cross Section Area 48715.00 m²



Top Warp Field Profile
Cross Section Area 10876.00 m²

WARP FIELDS

TROOP TRANSPORT



General Information

Specific Role: The Troop Transport is designed to deliver large numbers of troops and their equipment to areas of conflict in both assault and peace-keeping roles. The transport is equipped with extensive ECM equipment and heavy shields to help support its troops. For quick troop delivery the ship is able to transport its full complement (1000 troops) and support craft in less than a minute and then move into a supporting position. The troops are housed in large bunk facilities (20 to a room) to reduce the overall size of the ship required to deliver them.

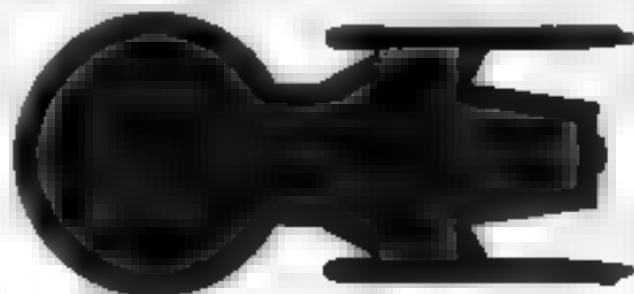
Physical Description: The (PHE313/A-M7) hull is an extension of the standard primary hull and contains additional transporter equipment and troop accommodations. The hull is equipped with the (BS9/A T2) bridge which incorporates a larger survey and weapons stations. On the lower part of the primary hull is the (SM49/4E) main sensor array and (LA4 5-D) navigational dome. Located in the port, starboard and bow of the primary hull (both top and bottom) are five (IP2 40 2L) phaser banks. To the rear both above and below the hull extension are four additional (IP2 40 2L) phaser banks. Just in front of the bridge is the (PB2/25-10F) photon torpedo bay. Two medium hangar decks are installed, one on either side of the impulse engines in the rear of the primary hull. In the rear of the primary hull are (IP186-E, 7 VE) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SW52/1 50A) warp nacelles attached to the underside of the hull extension by (JC722 51R) support pylons. In the rear of the hull extension are the (M28/4 3T) intermix chamber and (AM8/36 5T) matter and antimatter storage tanks. The storage tanks are located below the impulse engines for emergency jettisoning. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Target Area 43344.84 m²



Top Silhouette
Area 28171.80 m²



Port Silhouette
Area 7789.68 m²



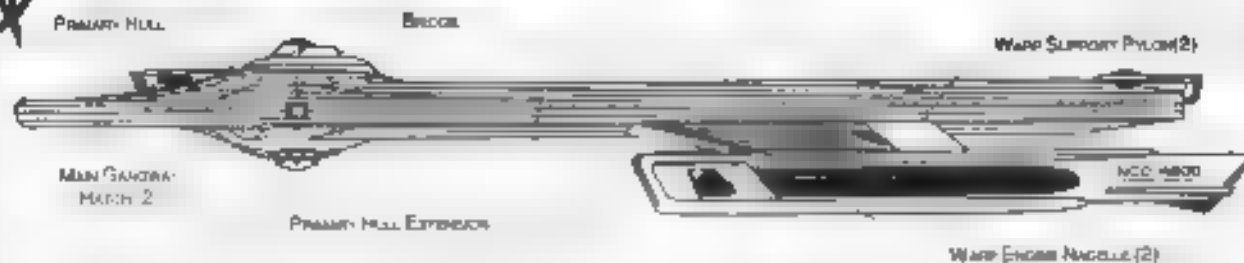
Front Silhouette
Area 6848.80 m²



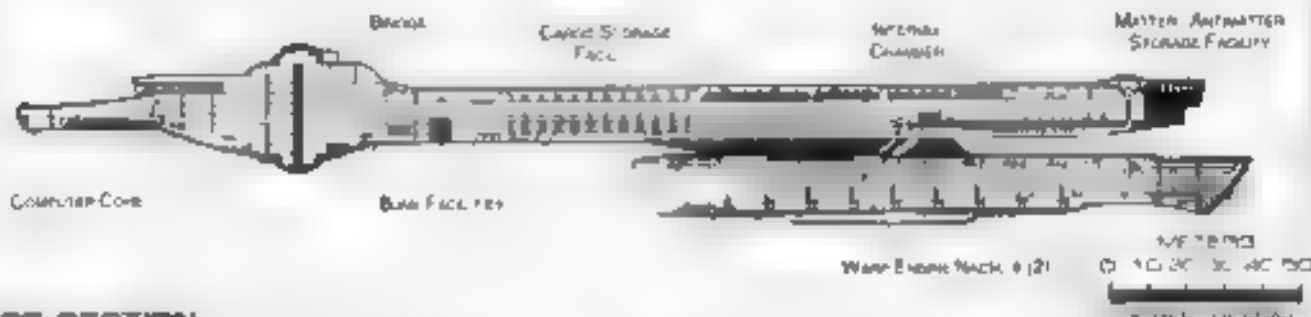
TROOP TRANSPORT

100-101-01-000

REGISTRATION VESSEL



PORT PROFILE



CROSS SECTION

Statistics

Classification

Category: Assault Ship
Class: Troop
Type: 100
Model: NCC-1001
Naval Construction Contract: 4200
Number Proposed: 10
Number Constructed: 10
Number in Service: 10
Number Lost: 2
Dispositions:

Overall Dimensions (Meters)

Length: 100m
Width: 40m
Height: 40m
Primary Hull Dimensions (Meters)
Length: 100m
Width: 40m
Height: 40m

Secondary Hull Dimensions (Meters)

Length: N/A
Width: N/A
Height: N/A

Warp Unit Dimensions (Meters)

Length: 50m
Width: 10m
Height: 10m

Displacement (Metric Tons)

Light: 229,350mt
Standard: 245,000mt
Full Load: 274,340mt

Performance

Impulse Units: Dual Unit (DP-1000/1000)
Impulse Engines Output: 7.0x10¹³ W
Impulse Power Index: 0.80
Max Cruising:
Acceleration Rate:
0.00-0.25 impulses: 0.249 sec
0.25-0.50 impulses: 0.377 sec
0.50-0.75 impulses: 0.498 sec
0.75-Full Impulse: 0.622 sec
Warp Units: 2 Nozzle Units (SW-101-SG-1)
Warp Engine Output: 2x 0.15 W
Warp Power Index: 1.000

Optimum Speed: Warp 4
Max Safe Cruising: Warp 6
Emergency Speed: Warp 7
Max Speed: Warp 8
Destructive Speed: Warp 9.05

Acceleration Power: 3.0

Acceleration Times:
Warp 1: Warp 2: 2.49 sec
Warp 2: Warp 3: 2.49 sec
Warp 3: Warp 4: 5.04 sec
Warp 4: Warp 5: 2.164 sec
Warp 5: Warp 6: 1.14 sec
Warp 6: Warp 7: 1.52 sec
Warp 7: Warp 8: 1.72 sec
Warp 8: Warp 9: 4.50 sec
Warp 9: Warp 9.05: 20 sec
Warp 9.05: Warp 9.75: 69 sec
Warp 9.75: Warp 9.95: 24.508 sec

Operation (Years)

Standard: 10 years
Maximum: 20 years

Red Ship Commitment: 100

Officers: 14
Crew (Rank Grade): 140
Troops: 100
Passengers: 60
Emergency condition: +500

Medical Facilities

Doctors: 7
Nurses: 17
Operating Rooms: 5
Beds: 31

Substructure: 7

Personnel: 100

1 Person: 0
2 Person: 0
3 Person: 0
12 Person: 0
22 Person: 0
Small Cargo: 2
Medium Cargo: 1
Large Cargo: 1
Super Cargo: 0

Bridge

Navigation: 10

Engine Room: 1

Two Captain's Quarters

Max Range: 1000 km

Cargo Specifications

Standard Cargo Units: 10

Cargo Capacity: 1000

Weaponry Specifications

Docking Ports

Shuttlecraft Bays Total: 2

Small Bay: 0

Medium Bay: 2

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 10

Work Bays: 1

Travel Pods: 1

Aquatic Shuttle: 1

Light Shuttle: 2

Standard Shuttle: 2

Heavy Shuttle: 2

Cargo Shuttle: 2

Assault Shuttle: 37

Lighter Shuttle: 6

Fighter: 9

Heavy Fighter: 6

Lifelines: 6

Turbolift: 10 personnel: 23

Lifeline: (10 personnel): 4

Lifeline: (20 personnel): 7

Lifeline: (30 personnel): 7

Shooting Devices

Sensor Index Values

Planetary Survey: 1000

Medium Survey: 1000

Short Range: 2356

Long Range: 1010

Navigation: 2006

Special: 2356

Computers: 2

Type: Advanced Dynamic III

Type: Advanced Dynamic II

SCM Index: 1.28

Shield Rating

Shield Index: 0.80

Shield Power: 0.23x 0.12 W

Shield Rate: 0.15x 0.1 W

Shield Down Rate: 0.1x 0.1 W

Shield Dimensions (Meters)

Length: 100m

Width: 100m

Height: 100m

Weapons

Phase Power Index: 0.447

Photon Power Index: 29

Vessel Power Index: 0.87

Weapon: Microbeam

Beam (Phase) Total: 9 bays 2 each

Output: 5.0x10 W 2.5x10 W

Range: 2.5x 0.5 km

Rate of Fire: 30 ppm Cont

Forward Banks: 1

Star Banks: 0

Port Banks: 2

Starboard Banks: 2

Upper Banks: 1

Lower Banks: 2

Beam (Microbeam) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Star Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Turbolift (Photon) Total: 1 Bay 2 each

Beam: 0

Range: 2.0x 10¹⁰ km

Output: 10-50 Megatons

Rate of Fire: 0 ppm

Forward Bay: 1

Star Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

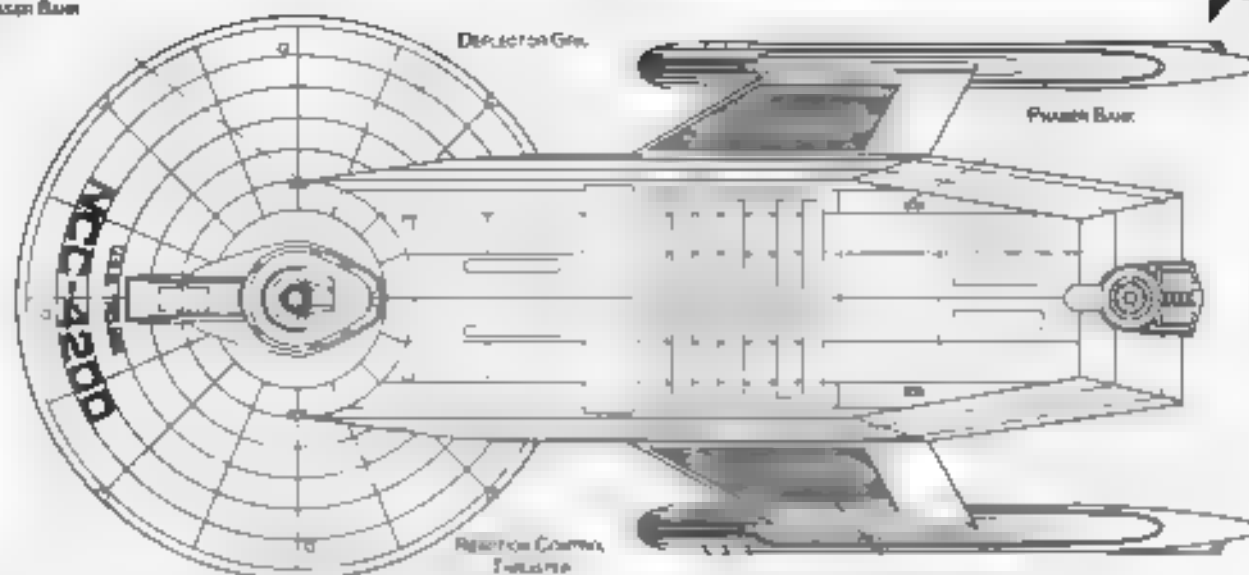
TROOP TRANSPORT



Phaser Bank

Deflector Grid

Phaser Bank

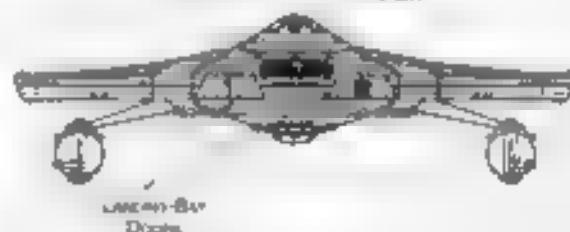


TOP PROFILE

Phaser Torpedo
Tubes (2)

FRONT PROFILE

Impulse Engines

Primary Docking
Port

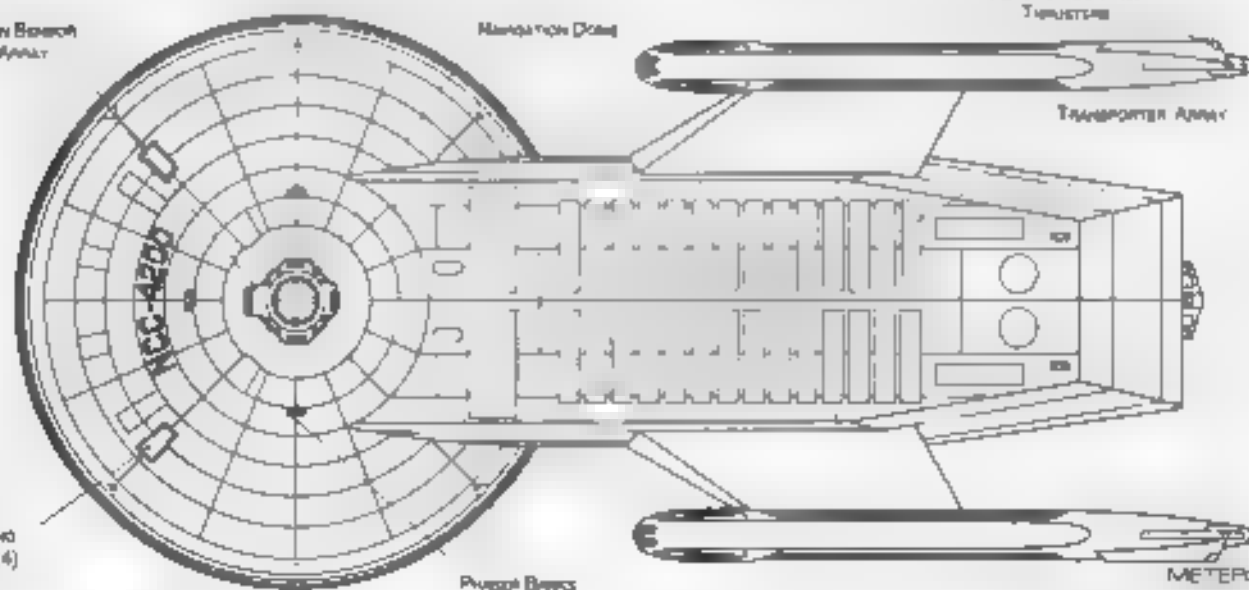
REAR PROFILE

Main Sensor
Array

Navigation Domes

Reaction Control
Thrusters

Transporter Array

Landing
Pads (4)

Phaser Banks

METERS
0 10 20 30 40 50

BOTTOM PROFILE

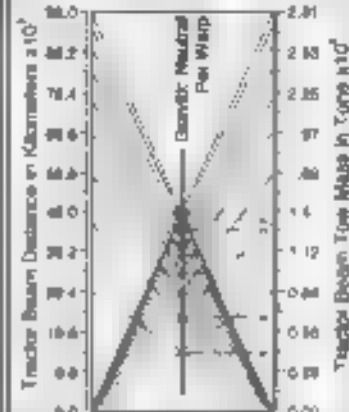


Tractor Beam Specifications

Primary Tractor Beam Load Calculator

[illegible]

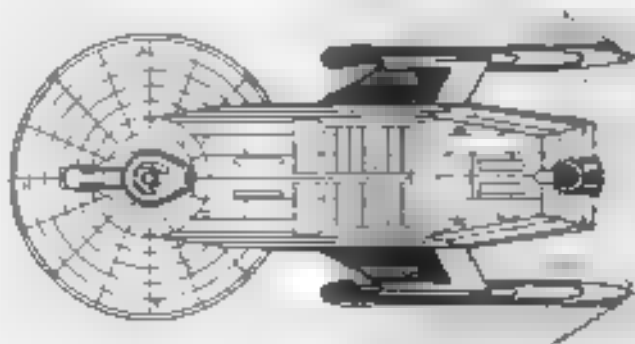
CLASSIFIED. LEFT IN THE LINE OF DUTY. "PROPOSED ALL NAMES ENDED WITH 3, 6, 9."



Front Warp Field Profile
Cross Section Area 18148.00 m²



Port Warp Field Profile
Cross Section Area 49994.08 m²



Top Warp Field Profile
Cross Section Area 10000000 m²

WARP FIELDS

SAM2 04:02:09:04

STARFLEET REFERENCE MANUAL

FEDERATION VESSEL

HEAVY SHUTTLE CARRIER

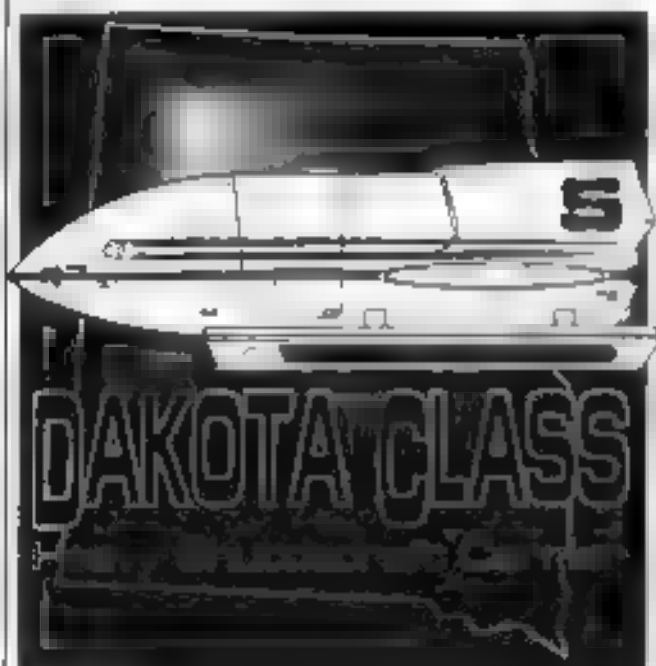


General Information

Specific Role: The Heavy Shuttlecraft Carrier is designed to be a support ship for a variety of shuttlecraft, generally in non-hostile and rear support areas. The Heavy Shuttlecraft Carrier is based on the Engage with a stretched, extended primary hull with multiple hangar decks located along the perimeter of the extended section.

Physical Description: The (PHF 147/5C T2) hull is an extension of the standard primary hull. The extended section houses the carrier's light craft support systems. The primary hull is equipped with a (LS9/5C T1) Bridge which incorporates an advanced tracking station. On the lower part of the primary hull is the (SM49/3Y) main sensor array and (DN4/3 L) navigational dome. Located on the port, starboard and bow of the primary hull (both top and bottom) are six (BP2/30/2C) phaser banks. Port and starboard on the upper primary hull, forward of the raised extension, are the (DN2/G 4 Z) navigational deflectors used to assist the navigational shields in deflecting oncoming debris. Along the perimeter of the hull extension are twenty high, small hangar decks. To the rear of the primary hull are two (H186E/9 J) dual impulse units which are used for auxiliary power and sub-warp propulsion. The carrier's warp fields are generated by three (SW52/1 5/A) warp nacelles, two are attached to the underside of the primary hull by (L1/25 7F) support pylons, the third is attached to the top by a dorsal (DL 24 KS) support pylon. In the rear of the hull extension are the (M28/4 2F) intermix chamber and (AMK 48 4E) matter/antimatter storage tanks. The storage tanks are located on the bottom of the hull just forward of the lower impulse engines for emergency jettisoning. In the event of an emergency the hull can separate from one or more of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Target Area: 282+42.88 m²



Top Silhouette
Area: 47,884.84 m²



Port Silhouette
Area: 12,934.40 m²



Front Silhouette
Area: 3,644.02 m²



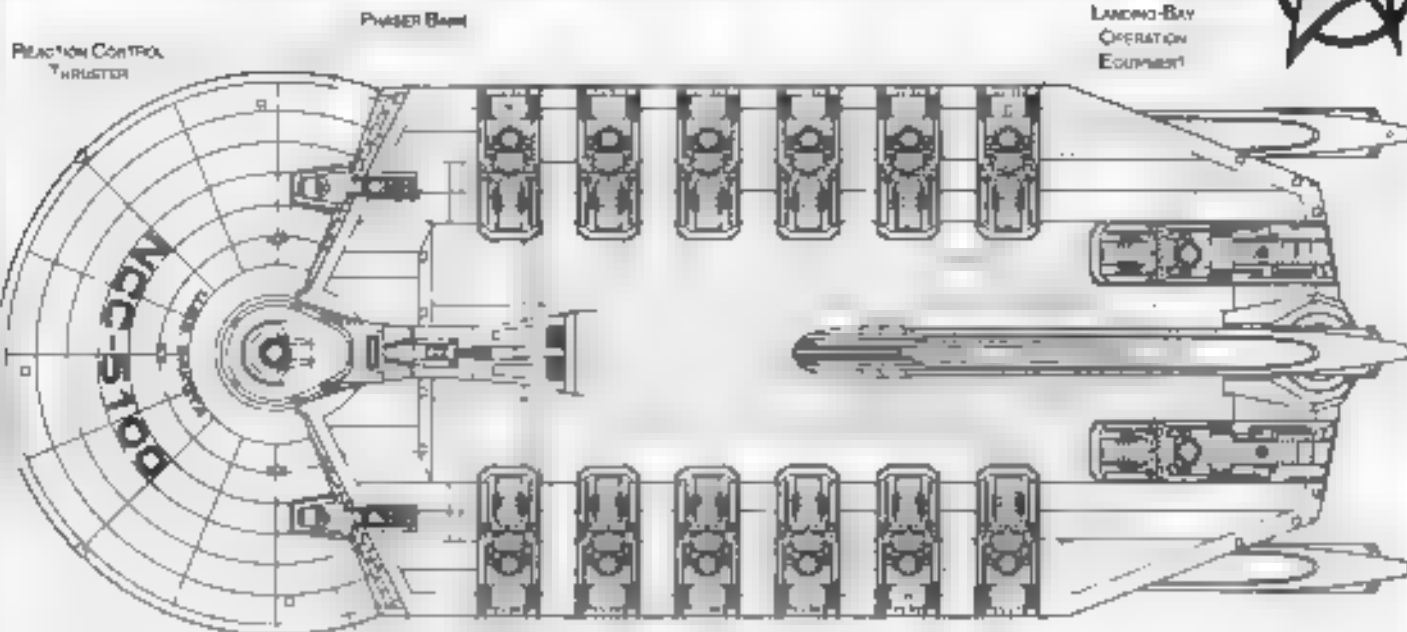
DAKOTA CLASS



Statistics

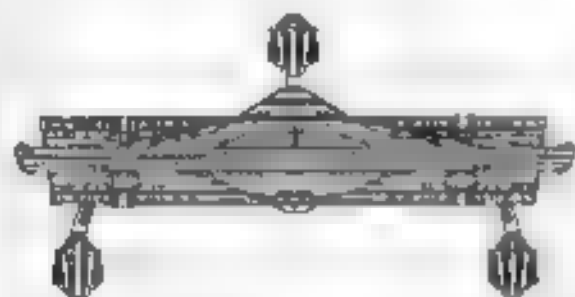
Lower Bay 3

HEAVY SHUTTLE CARRIER

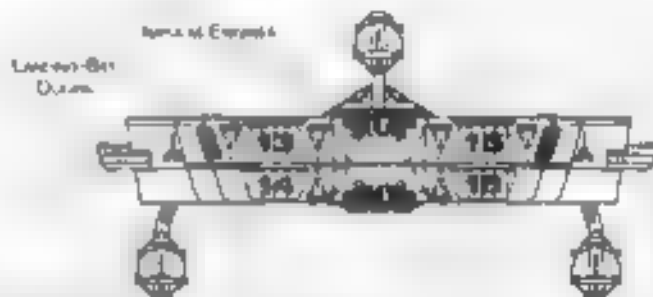


TOP PROFILE

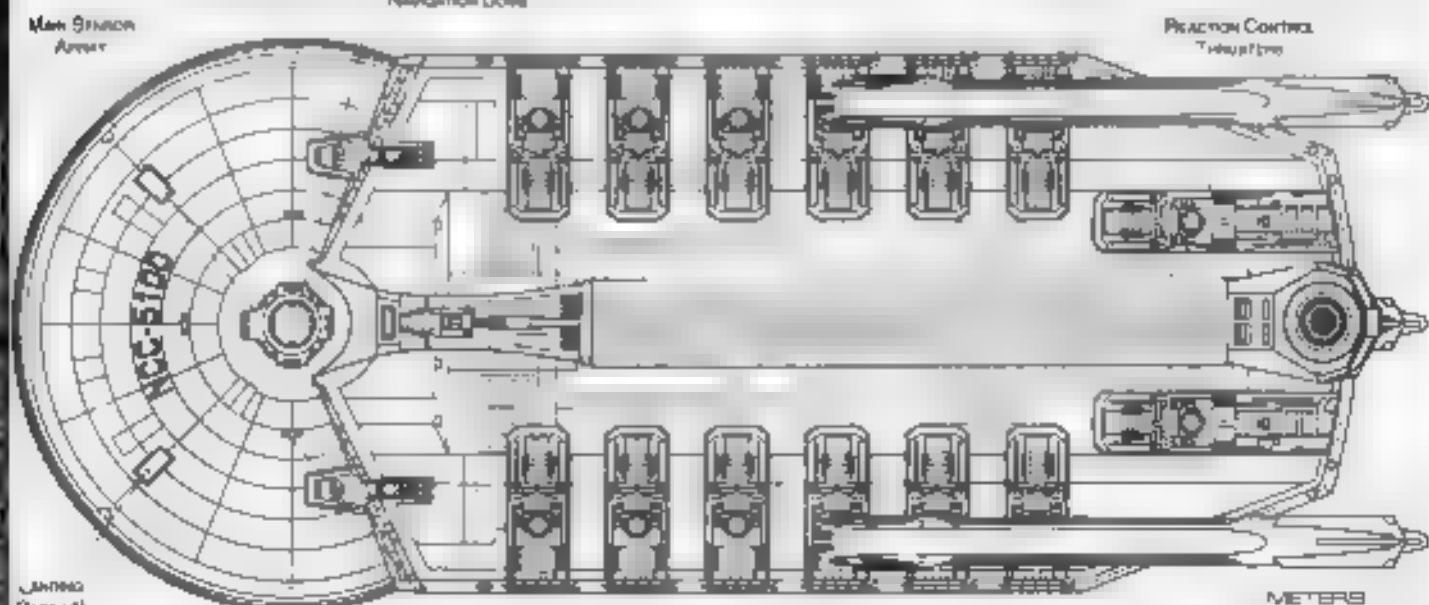
Offset for Desc



FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE

Offset for Desc

METERS
0 10 20 30 40 50

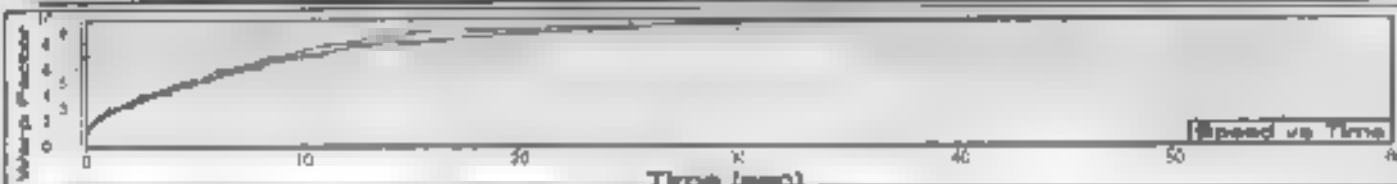
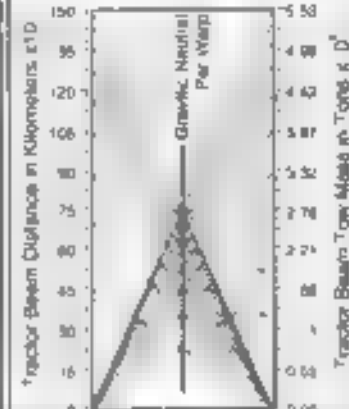


Tractor Beam Specifications

Primary Tractor Beam Load Calculations

H₂O → H₂O + 4
 SO₂ → SO₂
 SiH₄ → SiH₄ + 4
 CH₄ → CH₄ + 4
 C₂H₆ → C₂H₆ + 4
 C₃H₈ → C₃H₈ + 4
 C₄H₁₀ → C₄H₁₀ + 4
 C₅H₁₂ → C₅H₁₂ + 4
 C₆H₁₄ → C₆H₁₄ + 4
 C₇H₁₆ → C₇H₁₆ + 4
 C₈H₁₈ → C₈H₁₈ + 4
 C₉H₂₀ → C₉H₂₀ + 4
 C₁₀H₂₂ → C₁₀H₂₂ + 4
 C₁₁H₂₄ → C₁₁H₂₄ + 4
 C₁₂H₂₆ → C₁₂H₂₆ + 4
 C₁₃H₂₈ → C₁₃H₂₈ + 4
 C₁₄H₃₀ → C₁₄H₃₀ + 4
 C₁₅H₃₂ → C₁₅H₃₂ + 4
 C₁₆H₃₄ → C₁₆H₃₄ + 4
 C₁₇H₃₆ → C₁₇H₃₆ + 4
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 C₂₁H₄₄ → C₂₁H₄₄ + 4
 C₂₂H₄₆ → C₂₂H₄₆ + 4
 C₂₃H₄₈ → C₂₃H₄₈ + 4
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 C₂₅H₅₂ → C₂₅H₅₂ + 4
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 C₆₉H₁₄₀ → C₆₉H₁₄₀ + 4
 C₇₀H₁₄₂ → C₇₀H₁₄₂ + 4
 C₇₁H₁₄₄ → C₇₁H₁₄₄ + 4
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 C₇₈H₁₅₈ → C₇₈H₁₅₈ + 4
 C₇₉H₁₆₀ → C₇₉H₁₆₀ + 4
 C₈₀H₁₆₂ → C₈₀H₁₆₂ + 4
 C₈₁H₁₆₄ → C₈₁H₁₆₄ + 4
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 C₈₃H₁₆₈ → C₈₃H₁₆₈ + 4
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 C₈₉H₁₈₀ → C₈₉H₁₈₀ + 4
 C₉₀H₁₈₂ → C₉₀H₁₈₂ + 4
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 C₉₃H₁₈₈ → C₉₃H₁₈₈ + 4
 C₉₄H₁₉₀ → C₉₄H₁₉₀ + 4
 C₉₅H₁₉₂ →

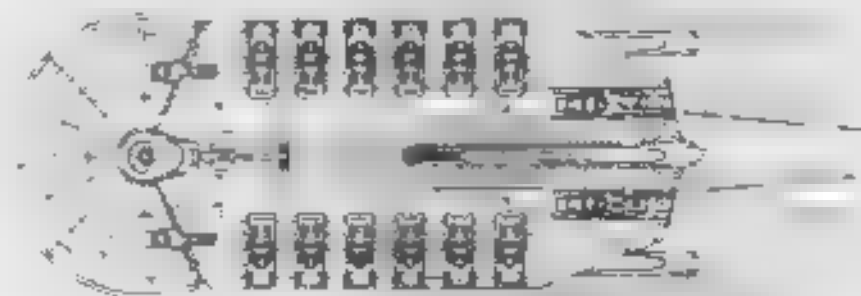
CLASS EMP. DIED IN THE LINE OF DUTY. TYPED ON ALL PAPERS THROUGHOUT WITH "U.S.A."



Field weight: 700 g
Field width: 100 mm
Field height: 1.1 m



Front Warp Field Profile
Down Stream Area 18388.42 m²

Port Warp Field Profile
Cross Section Area 8402.18 m²

Top Warp Field Profile
Cross Section Area 110000.12 m²

WARP FIELDS

SAM2 04:03:01:04

STARFLEET REFERENCE MANUAL

THROUGH DECK CARRIER



General Information

Specific Role: The Through Deck Carrier is a heavy frontline fighter shuttle delivery system. The enlarged secondary hull is dominated by multi-level hangar decks and ship/craft storage facilities. The through deck provides facilities for rapid recovery and turn-around of small craft during combat missions. The carrier is equipped with advanced warp nacelles since the standard nacelles are inadequate to propel the vessel.

Physical Description: The (PH147/SC T4) primary hull is equipped with the (BS9/SC T4) bridge which incorporates a larger tracking station as well as additional light craft support systems. On the lower part of the primary hull is the (SM49/7C) main sensor array and (DN4/9D) navigational dome. Located on the port/starboard and bow of the primary hull (both top and bottom) are six (BP2/30/2C) phaser banks. Towards the rear of the secondary hull above the hangar deck are two (BP2/30/2C) phaser banks. On the underside of the secondary hull are four additional (BP2/30/2C) phaser banks. In the rear of the primary hull are 12 (86E/5 DS) dual impulse units which are used for a tertiary power and sub-warp propulsion. The vessel's warp fields are generated by two (S171/5P) warp nacelles attached to the secondary hull by (SC/2C/6D) support pylons. Attached below the primary hull by a (DC/74/60V) connecting dorsal is the (S1182/1/SC 2) secondary hull. On the forward edge of the secondary hull are four (DN4/6A) navigational deflectors used to assist the navigational shields in deflecting oncoming debris. Located through the remainder of the secondary hull are independent hangar decks. Inside the dorsal is the (ND30/4/4T) intermix chamber and (AM8/48/5E) matter/antimatter storage tanks. The storage tanks are located in the rear of the connecting dorsal for emergency jettisoning. In the event of an emergency the primary and secondary hulls can separate, each being able to carry the ship's full complement. Once separated the primary hull can maintain on impulse power for extended periods of time.

Class Emblem



Ship Silhouettes

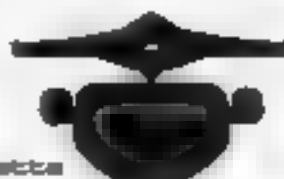
Total Target Area 80837.18 m²



Top Silhouette
Area 38888.88 m²



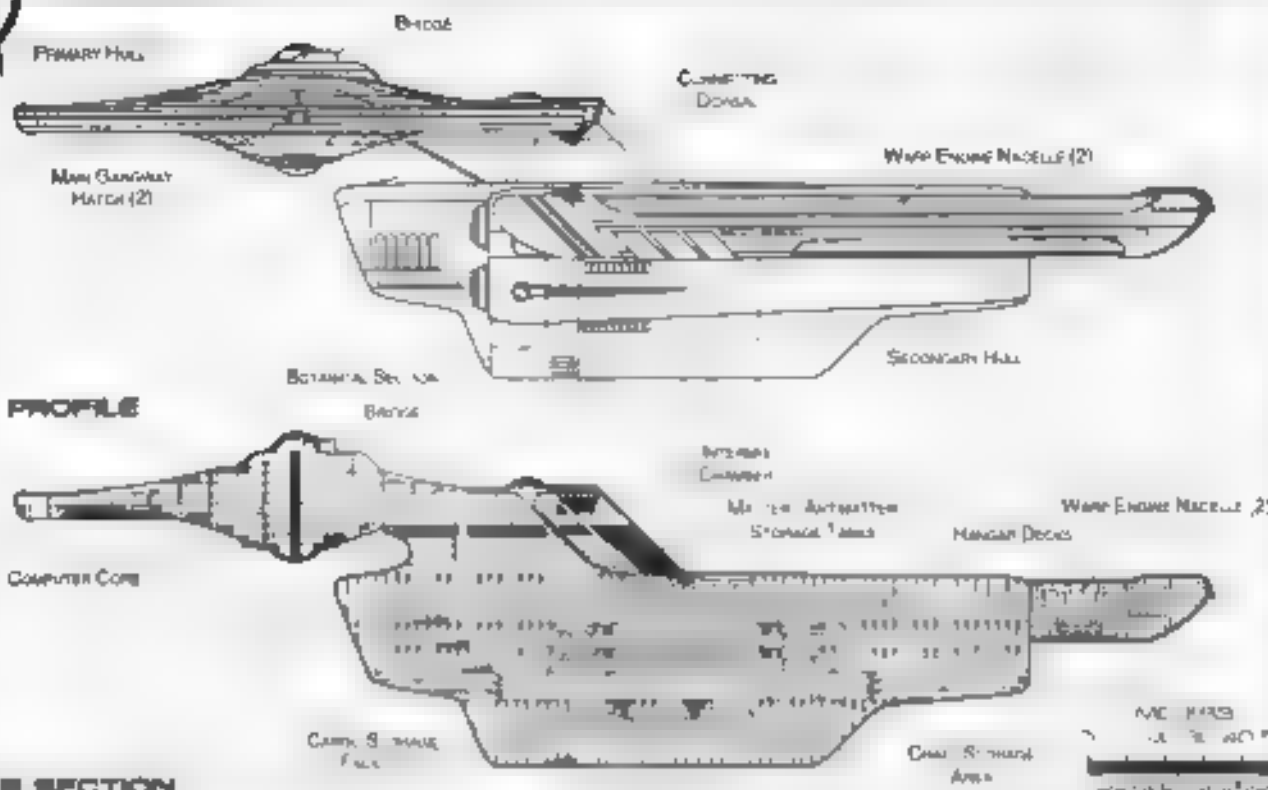
Port Silhouette
Area 11703.84 m²



Front Silhouette
Area 6440.78 m²



THROUGH DECK CARRIER



CROSS SECTION

Statistics

Classification: Through Deck Carrier

Category: Carrier

Class: Jbn

Type: Jbn

Model: MK XXVIII

Naval Construction Contract: 6400

Number Produced: 12

Number Constructed: 22

Number in Service: 21

Number Lost: 1

Dimensions:

Overall Dimensions (Meters)

Length: 300.5m

Width: 41.2m

Height: 60.4m

Primary Hull Dimensions (Meters)

Length: 46.71m

Width: 14.72m

Height: 32.94m

Secondary Hull Dimensions (Meters)

Length: 73.70m

Width: 77.64m

Height: 49.1m

Warp Unit Dimensions (Meters)

Length: 77.51m

Width: 28.84m

Height: 60m

Displacement (Metric Tons)

Light: 318,00 mt

Standard: 340,734mt

Full Load: 380,368mt

Performance:

Impulse Unit: Dual JHL HP188E/S-051

Impulse Engine Output: 7.81 G W

Impulse Power Index: 0.58

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.345 sec

0.25-0.50 Impulse: 0.57 sec

0.50-0.75 Impulse: 0.890 sec

0.75-Full Impulse: 0.862 sec

Warp Units: 2 Nacelle with SY7-15FN

Warp Engine Output: 2.16x10¹⁷ W

Warp Power Index: 0.40

Optimum Speed: Warp 4

Max. Safe Cruising: Warp 6

Emergency Speed: Warp 6

Max Speed: Warp 2

Destructive Speed: Warp 6.15

Acceleration Factor: 3.0

Acceleration Time:

Warp 1 Warp 2: 92 sec

Warp 2 Warp 3: 7 sec

Warp 3 Warp 4: 14 sec

Warp 4 Warp 5: 40 sec

Warp 5 Warp 6: 76 sec

Warp 6 Warp 7: 76 sec

Warp 7 Warp 8: 4 sec

Warp 8 Warp 9: 5.7 sec

Warp 9 Warp 10: 150 sec

Warp 10 Warp 11: 75 sec

Warp 11 Warp 12: 18.875 sec

Maneuver (Turns)

Standard: 8 Years

Maximum: 20 Years

Std. Ship Complement: 475

Officers: 66

Crew (Ensigns Under): 322

Troops: 7

Passengers: 86

Emergency readjuster: 1002

Medical Facilities:

Doctors: 4

Nurses: 28

Operating Rooms: 4

Beds: 26

Laboratories: 14

Transporters: 15

1 Person: 0

2 Person: 0

3 Person: 4

15 Person: 0

25 Person: 4

Small Cargo: 4

Medium Cargo: 3

Large Cargo: 0

Super Cargo: 0

Design:

Radars: 26

Starboard Beam: 1

Low Apparent: 5.92x10¹⁰ m

Max Range: 7.4x10¹⁰ m

Cargo Specifications:

Standard Cargo Units: 851

Cargo Capacity: 1.1x10¹⁰ m

Structural Specifications:

Docking Ports:

Starboard Bays Total: 44

Small Bay: 0

Medium Bay: 22

Large Bay: 1

Super Bay: 0

Starboard Standard: 91

Warp Bays: 5

Turret Pods: 6

Asymetric Shuttle: 2

Light Shuttle: 4

Standard Shuttle: 8

Heavy Shuttle: 7

Cargo Shuttle: 3

Asymetric Shuttle: 9

Killer Bays: 0

Fighter: 7

Heavy Fighter: 20

(Minimum: 17)

Turbid (8 person): 16

Lifeboat: 10 person: 14

Lifeboat: 150 person: 5

Lifeboat: 150 person: 0

Cooking Facilities: 0

Ramjet Index Values:

Planetary Survey: 0.8837

Stellar Survey: 95.34

Short Range: 625

Long Range: 8145

Navigation: 3708

Special: 7668

Communications: 4

Type: System Duplex: III

Type: System Duplex: II

ECM Index: 0.990

Shield Rating:

Shield Index: 0.88

Shield Power: 3.71x10¹⁷ W

Refresh Rate: 8.80x10¹⁰ W

Breakdown Rate: 0.1x10¹⁷ W

Shield Dimensions (Meters)

Length: 11.02m

Width: 0.1m

Height: 0.61m

Weapons:

Planet Power Index: 0.515

Planet Power Index: 0.0

Planet Power Index: 0.08

Weapon Placement:

Beam (Photon) Total: 8 banks 2 each

Output: 5.0x10¹⁰ W 2.5x10¹⁰ W

Range: 2.5x10¹⁰ m

Rate of Fire: 30 ppm Cont

Forward Banks: 2

Star Banks: 2

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 0

Beam (Megaphase) Total: 0

Output: 1x10¹⁰ W

Range: N/A

Rate of Fire: N/A

Forward/Star Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: N/A

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Star Bay: 0

Port Bay: 0

Starboard Bay: 0

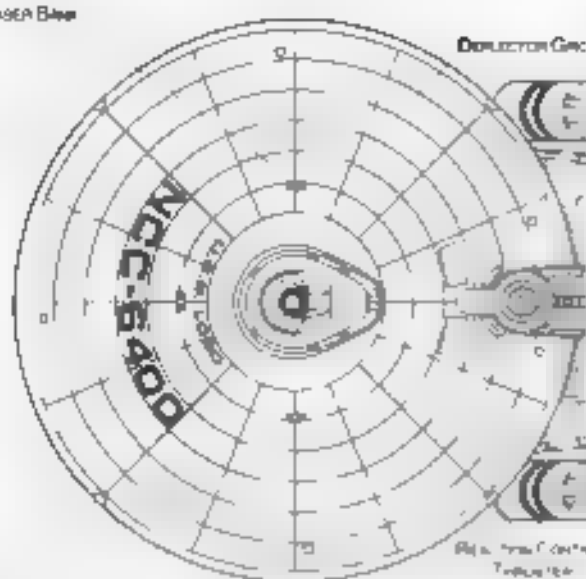
Upper Bay: 0

Lower Bay: 0

THROUGH DECK CARRIER



PHASER Beam



DEFLECTOR GRAC

PHASER Beam

TOP PROFILE



Landing Pad
Deck



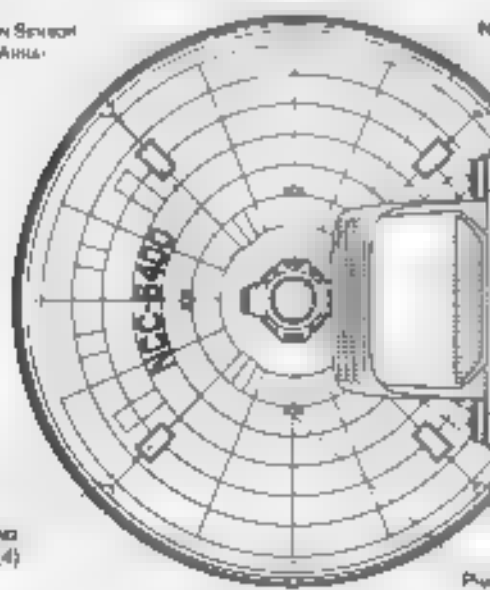
Landing Pad
Deck

Navigation Deck

FRONT PROFILE

REAR PROFILE

Main Sensor
Array



Navigation Deck

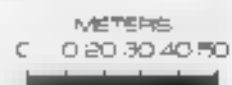
Reaction Control
Thrusters

Emergency Fluid
Vents

Landing
Pads (4)

PHASER Beam

BOTTOM PROFILE





THROUGH DECK: CARRIER

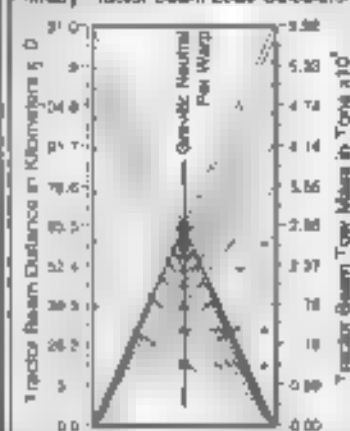
Ship Names

THE FOLLOWING SHIPS OF THE MK XXVIII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2274.9

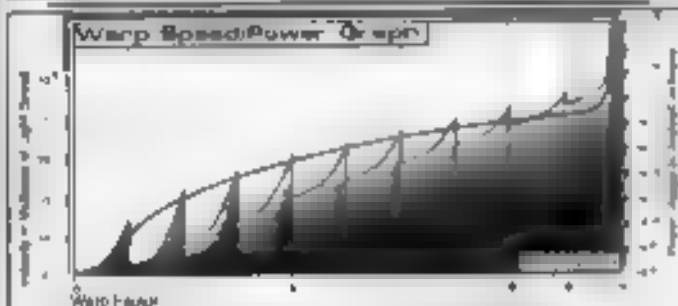
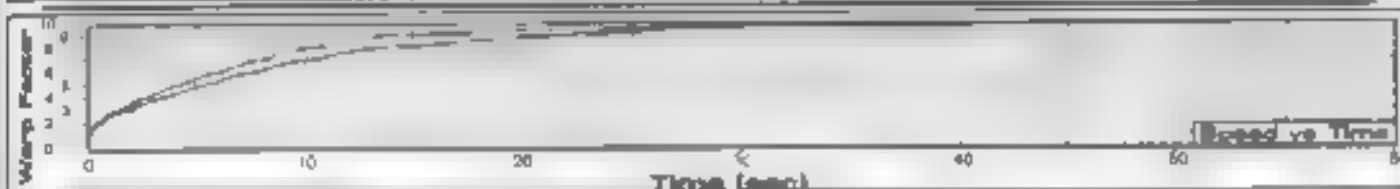
ALMEIDA NCC 6406
BOEHA NCC 6407
CRANT ART NCC 6408
DLYK ARADY NCC 6409
FUGUVEL NCC 6410
4 HIRBY NCC 6411
GRANK HK NCC 6412
HERSONARD NCC 6413
HPLAND NCC 6414
IR X NCC 6415
JABOR NCC 6416
KUI BLER NCC 6417
KMAR NCC 6418
KBO NCC 6419
KAS NCC 6420
KARH NCC 6421
KARH NCC 6422
KARH NCC 6423
KARH NCC 6424
KARH NCC 6425
KARH NCC 6426
KARH NCC 6427
KARH NCC 6428
KARH NCC 6429
KARH NCC 6430

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



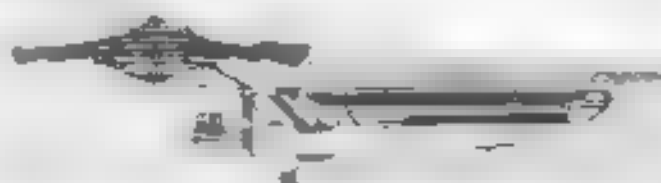
CLASS SHIP, TOW IN THE LINE OF DUTY, PROPOSED ALL NAMES PRECEDED WITH "U.S.S."



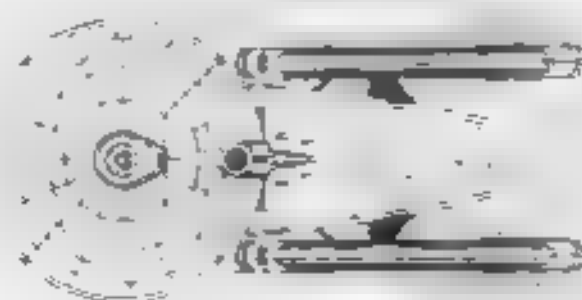
Field Length: 710 3km
Field Width: 200 3km
Field Height: 110 3km



Front Warp Field Profile
Cross Section Area: 17798.88 m²



Port Warp Field Profile
Cross Section Area: 8008.84 m²



Top Warp Field Profile
Cross Section Area: 117490.88 m²

WARP FIELDS

SRM2 04:03:02:04

STARFLEET REFERENCE MANUAL

TOP SECRET

FEDERATION MESSAGE

THROUGH DECK CRUISER



General Information

Specific Role The Through Deck Cruiser is a highly maneuverable frontline fighter shuttle delivery system based on the Enterprise Class Heavy Cruiser. The vessel can perform on par with a Heavy Cruiser and deliver small craft directly into the action on the frontline. The through deck provides facilities for rapid recovery and turn around of small craft during combat missions. These vessels are used to investigate worlds for formal first contact follow-up missions.

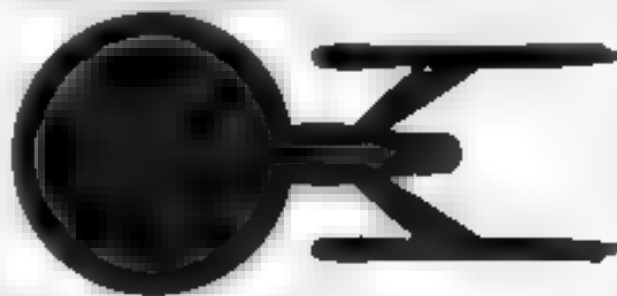
Physical Description The PH147/SC T3 primary hull is equipped with the (BS9/SC R2) bridge which incorporates a larger tracking station as well as additional light craft support systems. On the lower part of the primary hull is the (SM49/7E) main sensor array and (DN4 9B) navigational dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (B'2 30-2C) phaser banks. Towards the rear of the secondary hull above the hangar deck are two (BP2 40-2C) phaser banks. On the underside of the secondary hull are four additional (BP2 30-2C) phaser banks. In the rear of the primary hull are (IRF35E 4 AW) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SW52/ 5A) warp nacelles attached to the (SH131/SC C5) secondary hull by (DL 75 6C) support pylons. The primary and secondary hulls are joined by the (DL 750 48C) connecting dorsal. Located through the centerline of the secondary hull are the two connected medium hangar decks. Running through the dorsal is the (MD25 14 2R) intermix chamber. Inside upper rear secondary hull, the (AM8 16-4C) matter/antimatter storage tanks are easily jettisoned in case of an emergency. At the base of the dorsal is a forward facing (PH2 25 10F) photon torpedo bay. In the event of an emergency the primary and secondary hulls can separate each being able to carry the ships full complement. Once separated the primary hull can maneuver on impulse power for extended periods of time.

Class Emblem



Ship Silhouettes

Total Target Area 26430.18 m²



Top Silhouette
Area 27000.66 m²



Area 9218.84 m²



Front Silhouette
Area 3208.68 m²



ORISKANY CLASS



Statistics

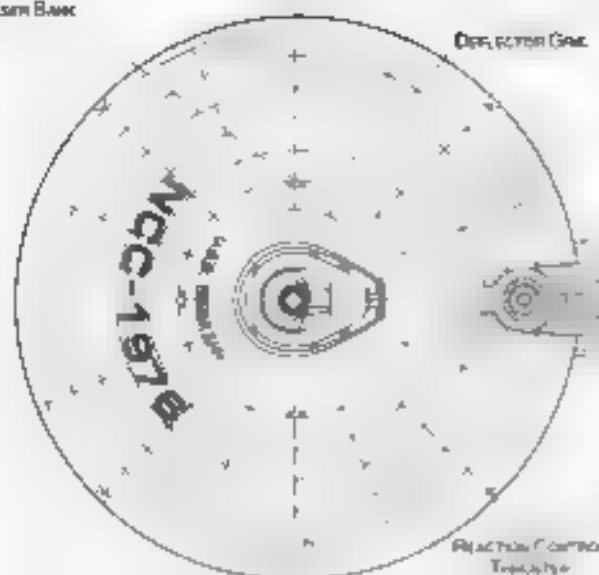
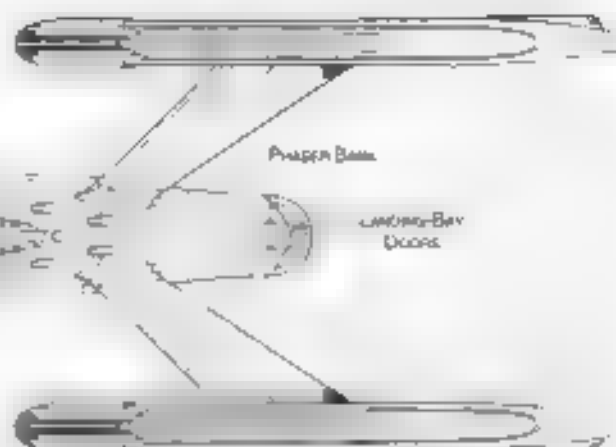
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THROUGH DECK CRUISER

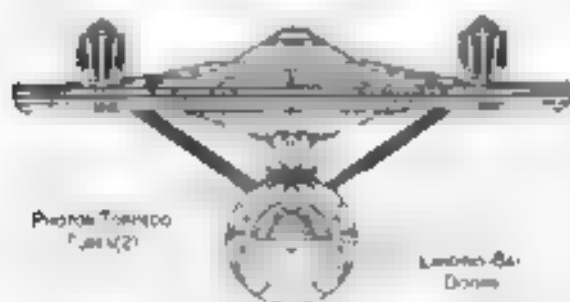


PHASER BANK

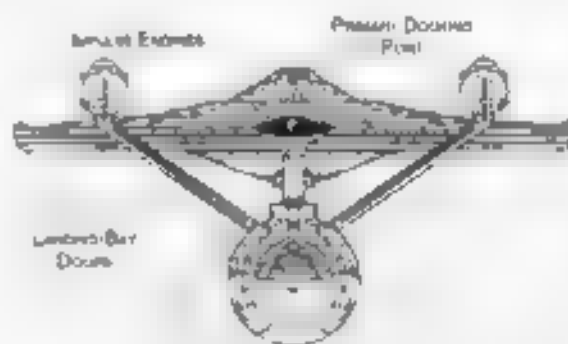
DEFLECTOR GEAR

REACTION CONTROL
THRUSTERS

PHASER BANK

LANDING BAY
DOORSPHASER TORPEDO
TUBES (2)LANDING BAY
DOORS

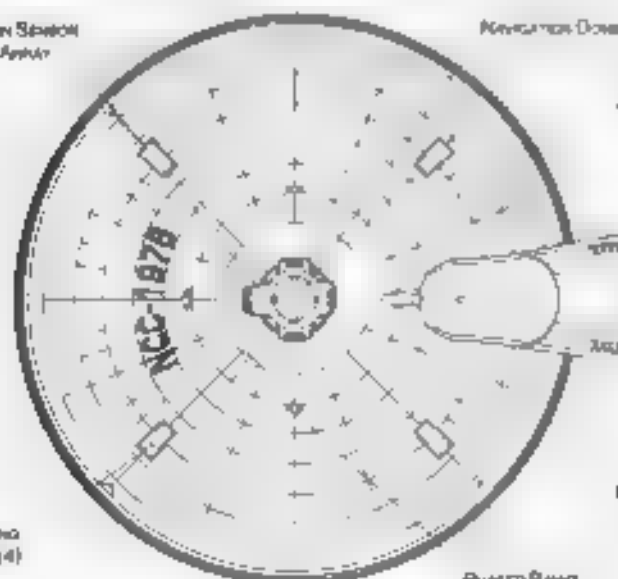
FRONT PROFILE

MAIN DOKING
PORTLANDING BAY
DOORS

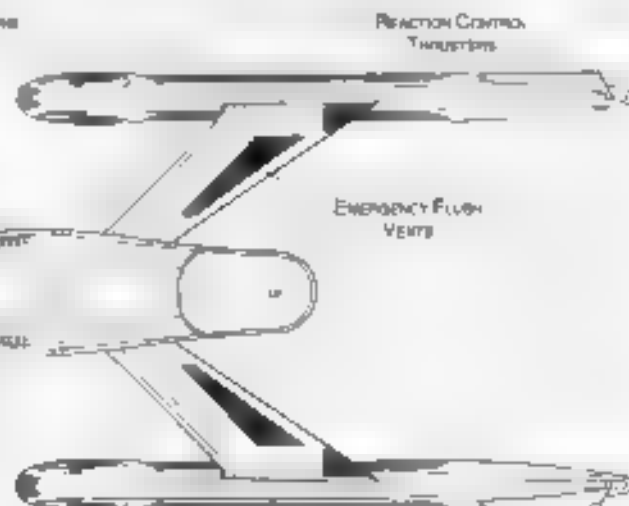
REAR PROFILE

MAIN SENSOR
APERTURE

NAVIGATION GEAR



PHASER BANKS

REACTION CONTROL
THRUSTERSEMERGENCY FLUSH
VENTSLANDING
PADS (4)

BOTTOM PROFILE

METERS
0 10 20 30 40 50



THROUGH DECK CRUISER

Ship Names

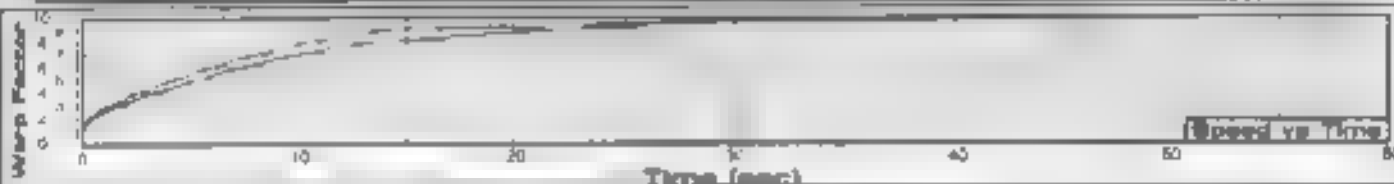
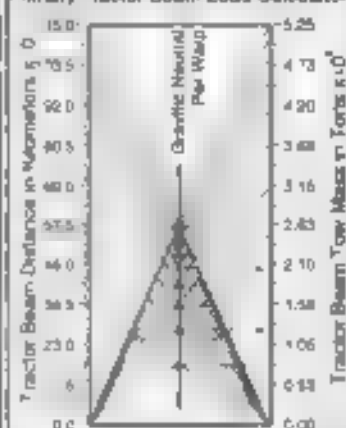
THE FOLLOWING SHIPS OF THE MK XXII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2266.11

| | |
|---------------------|------------------|
| BENNINGTON MKC 1978 | PHOENIX MKC 874 |
| ARLAK MKC 191 | SLEET MKC 953 |
| CHI JTA MKC 293 | SUPRE MKC 987 |
| TEMPERANCE MKC 971 | SLAEN MKC 173 |
| TRIKWAK MKC 1910 | TAPINA MKC 98 |
| DAUPH NAD MKC 353 | LEI ER MKC 954 |
| VE THCHRE MKC 379 | MAN. CMI MKC 354 |
| WIKI MKC 171 | TOUR MKC 951 |
| IIIH W MKC 98 | TOUR MKC 959 |
| CSI RITA MKC 980 | ARBU MKC 358 |
| TRIEUS MKC 262 | |
| KA AL MKC 953 | |
| KU MKC 98 | |
| SHI AL MKC 984 | |
| KINNERHE MKC 183 | |
| KI MKC 914 | |
| SHIEN MKC 958 | |
| WIT MKC 198 | |
| E MKC 196 | |
| WIKI MKC 314 | |
| WIKI MKC 978 | |
| PHOENIX MKC 952 | |
| PHOENIX MKC 190 | |
| WIKI MKC 35 | |
| WIKI MKC 298 | |

CLASS SHIP, LOST IN THE LINE OF DUTY, WITH NO RECORD. ALL NAMES PREFIXED WITH "T.E.S."

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



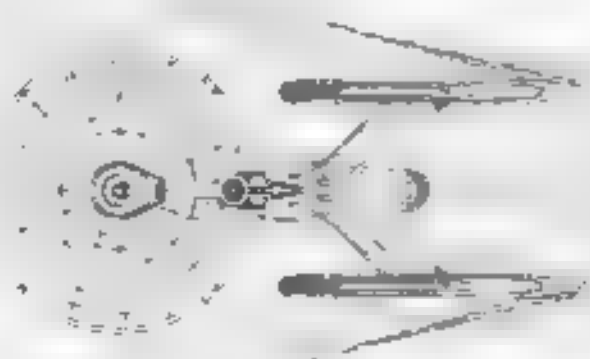
Field Length 600.7m
Field Width 870.0m
Field Height 112.0m



Front Warp Field Profile
Gross Section Area 18148.00 m²



Port Warp Field Profile
Gross Section Area 48884.00 m²



Top Warp Field Profile
Gross Section Area 100880.00 m²

WARP FIELDS

SM2 04:03:03:04

STARFLEET REFERENCE MANUAL

ORISKANY CLASS

THROUGH DECK CRUISER

HEAVY SCOUT



General Information

Specific Role: The Heavy Scout is an ultra fast, cost effective starship used for patrols, surveillance and Federation defense. The warp nacelles are located side by side which gives the heavy scout a long slender warp field for increased speed. The primary mission of the Scout, using extensive surveillance equipment, is to perform extended reconnaissance patrols into critical areas ahead of Federation vessels. During normal operations the scout is used for both surveillance and picket duty around capital ships. The vessel's small size make it both swift and difficult to target.

Physical Description: The (PH14775 M3) primary hull is equipped with additional sensors, reinforcements and a small hangar deck (located on the upper starboard side). Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. The primary hull is equipped with the (BS1475 D2) bridge which incorporates the larger enhanced sensors and tracking station. On the lower part of the primary hull is the (SM49 7A) main sensor array and (DN1 5 A) navigation dome. Below the warp nacelles is the (SM497H 2A) lower sensor array. Above the impulse units connected by a (DL 20 5A) support pylon is the (SM485A/1 D) upper sensor array. Located on the port starboard and bow of the primary hull (photo top and bottom) are six (H2 40 20) phaser banks. To the rear of the primary hull are (1) (M20 4 B) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SW52 1 4 B) warp nacelles slanted together and mounted underneath the secondary hull by a (DU/60 50F) connecting dorsal. The vessel is also equipped with additional inertial dampeners to compensate for its decreased maneuvering capabilities. Inside the dorsal are the (M20 4 B 20) intermix chamber and (AMK 36 4V) main engine matter storage tanks. The storage tanks are located in the rear of the connecting dorsal for emergency maneuvering. Nestled between the dorsal and the nacelles is a forward facing (132 25 0A) photon torpedo bay. In the event of an emergency the primary hull can separate from the warp nacelle section. Once separated, the primary hull can maneuver on impulse power for extended periods of time.

Class Emblem

ANDERSON CLASS



Ship Silhouettes

Total Target Area: 30908.58 m²



Top Silhouette
Area: 90870.00 m²



Port Silhouette
Area: 7340.94 m²

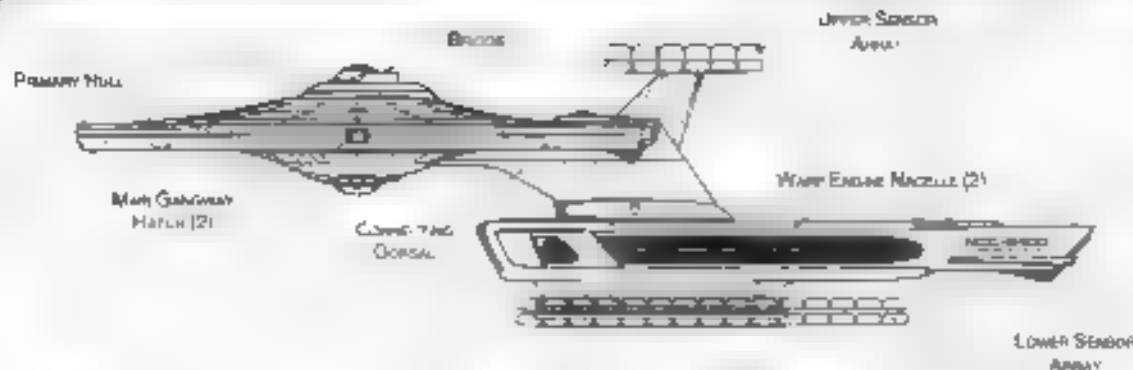


Front Silhouette
Area: 9003.00 m²

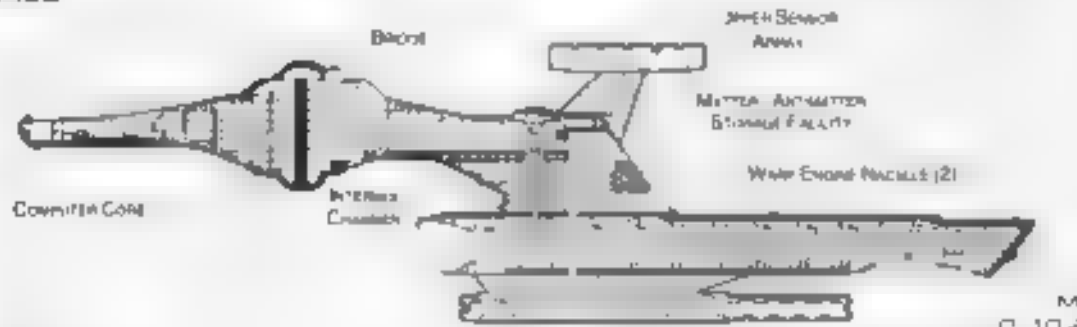


HEAVY SCOUT

ANDERSON CLASS



PORT PROFILE



CROSS SECTION

Statistics

Classification: Heavy Scout
Category: T-104
Class: Anderson
Type: C-104
Model: NCC-104
Naval Construction Contract: 1400
Number Proposed: 1
Number Constructed: 1
Number in Service: 1
Number Lost: 0
Dimensions:
 Overall Dimensions (Meters)
 Length: 250.0m
 Width: 14.12m
 Height: 70.42m
 Primary Hull Dimensions (Meters)
 Length: 48.31m
 Width: 4.72m
 Height: 32.94m
 Secondary Hull Dimensions (Meters)
 Length: N/A
 Width: N/A
 Height: N/A
 Warp Unit Dimensions (Meters)
 Length: 54.81m
 Width: 2.03m
 Height: 8.12m
 Displacement (Metric Tons)
 Light: 4,265mt
 Standard: 5,350mt
 Full Load: 168,955mt
Performance:
 Impulse Unit: Dual JIN-11F35E/3-EG
 Impulse Engine Output: 7.8x 10¹⁵ W
 Impulse Power Index: 3
 Max Cruising: C
 Acceleration Rate:
 0.00-0.28 Impulse: 0.53 sec
 0.28-0.50 Impulse: 0.230 sec
 0.50-0.75 Impulse: 0.306 sec
 0.75-Full Impulse: 0.383sec
 Warp Units: 2 Nozzle Inds (SW521-5F8)
 Warp Engine Output: 20x10¹⁵ W
 Warp Power Index: 34

Optimum Speed: Warp 6
Max Safe Cruising: Warp 8
Emergency Speed: Warp 8.8
Max Speed: Warp 9
Destructive Speed: Warp 9.5
Acceleration: Power 30
Acceleration Times:
 Warp 1 Warp 2: 0.57 sec
 Warp 2 Warp 3: .44 sec
 Warp 3 Warp 4: .31 sec
 Warp 4 Warp 5: .21 sec
 Warp 5 Warp 6: .14 sec
 Warp 6 Warp 7: .10 sec
 Warp 7 Warp 8: .07 sec
 Warp 8 Warp 9: 0.05 sec
 Warp 9 Warp 8.8: .07 sec
 Warp 8.8 Warp 9.5: .09 sec
 Warp 9.5 Warp 9.8: .09 sec
Armaments (Total)
 Standard: 4 tony
 Maximum: 24 tony
Def. Ship Complement: 170
 Officers: 5
 Crew (Single Grade): 268
 Troops:
 Passengers: 38
 Emergency condition: +505
Medical Facilities:
 Doctors: 4
 Nurses: 21
 Operating Rooms: 3
 Beds: 1
Laboratories: 25
Transporters: Total: 9
 1 Person: 0
 2 Person: 0
 3 Person: 3
 12 Person: 0
 23 Person: 3
 Small Cargo: 2
 Medium Cargo: 1
 Large Cargo: 3
 Super Cargo: 0

Ships:
 Replicators: 14
 Starship: 1
 Torpedo: 44x10¹⁵ W
 Max Range: 1.5x10¹⁵ W
Cargo Specifications:
 Standard Cargo Units: 200
 Cargo Capacity: 1000mt
Weaponry Specifications:
 Destroying Force: 1
 Small Bay: 0
 Medium Bay: 0
 Large Bay: 0
 Super Bay: 0
 Shuttlecraft Standard: 15
 Work Boat:
 Transport: 1
 Aquatic Shuttle: 0
 Light Shuttle:
 Standard Shuttle: 3
 Heavy Shuttle:
 Cargo Shuttle:
 Assault Shuttle: 1
 Elder Beam: 2
 Fighter: 2
 Heavy Fighter: 2
 Lifeline: 10
 Turbocore (5 person): 23
 Lifeline: 10 person: 1
 Lifeline (20 person): 3
 Lifeline (30 person): 1
Shielding Devices:
Shield Index: 140
 Primary Shield: 2 (244)
 Shielding: 2.2750
 Max Range: 54.2
 Long Range: 5623
 Navigation: 1874
 Special: 1000
Engines: 7
 Type: Anderson Dual-Phase 10.0
 Type: Anderson Dual-Phase 10.0

SCM Index: 1.30
Shielding:
 Shield Index: 40
 Shield Power: 1.47x 10¹⁷ W
 Refresh Rate: 9.86x10¹⁷ W
 Breakdown Rate: 4x 10¹⁷ W
 Shield Dimensions (Meters)
 Length: 32.70m
 Width: 17.01m
 Height: 88.88m
Weapons:
 Power Power Index: 0.07
 Photon Power Index: 2.08
 Weapon Power Index: 1.48
Weapon Parameters:
 Beam (Phasers) Total: 8 beams 2 each
 Output: 5.0x10¹⁷ W 2.5x10¹⁷ W
 Range: 2.5x 10¹⁵ W
 Rate of Fire: 30 ppm (Com)
 Forward Banks: 2
 Rear Banks: 0
 Port Banks: 2
 Starboard Banks: 2
 Upper Banks: 0
 Lower Banks: 0
 Beam (Missiles) Total: 0
 Output: N/A
 Range: N/A
 Rate of Fire: N/A
 Forward/Rear Banks: 0
 Port/Starboard Banks: 0
 Upper/Lower Banks: 0
 Torpedoes (Photon) Total: 1 Bay 2 each
 Stock: 40
 Range: 2.0x 10¹⁵ W
 Output: 10.50 megatons
 Rate of Fire: 0 ppm
 Forward Bay: 1
 Rear Bay: 0
 Port Bay: 0
 Starboard Bay: 0
 Upper Bay: 0
 Lower Bay: 0

FEEDBACK VERBET

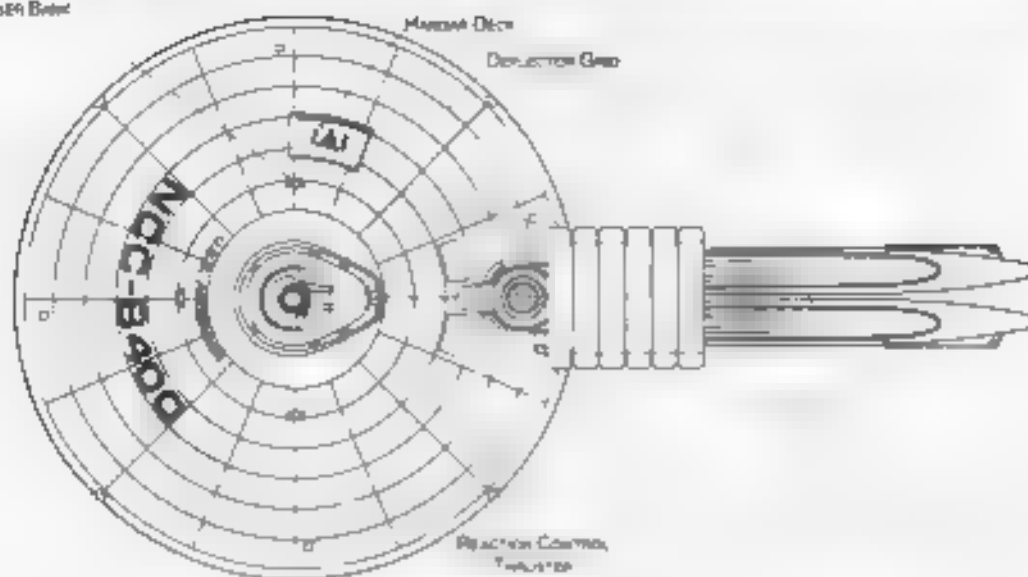
HEAVY SCOUT



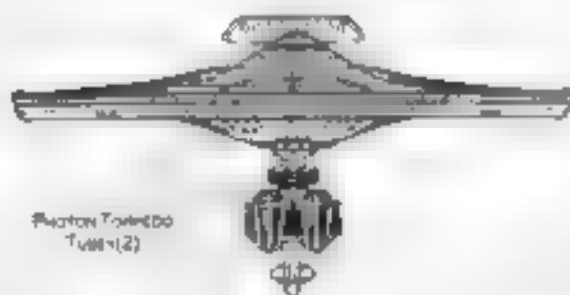
PHASER BANK

MANOEUVRE DECK

DEFLECTOR GRID



TOP PROFILE

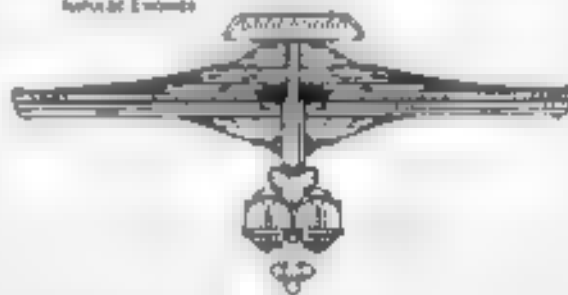


PHOTON TORPEDO
TUBES (2)

FRONT PROFILE

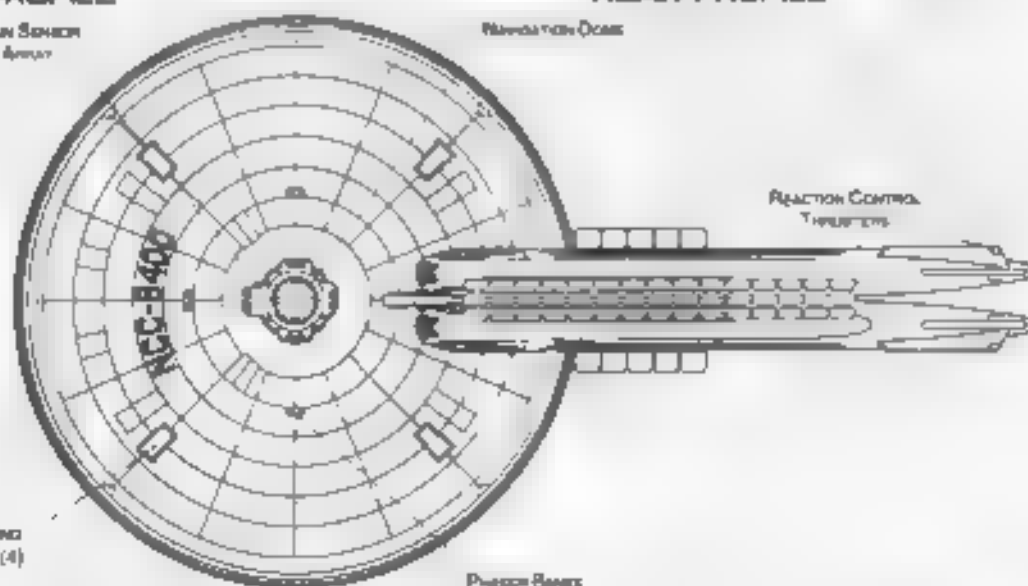
MAIN SENSOR
ARRAY

APPROACH ENGINES



REAR PROFILE

MANOEUVER DECK



LANDING
PADS (4)

REACTION CONTROL
THRUSTERS

PHASER BANK

BOTTOM PROFILE





Tractor Beam Specifications



General Information

Specific Role: The Scout is an fast, cost effective starship used for patrols, surveillance and Federation defense. The primary mission of the Scout using surveillance equipment is to perform extended reconnaissance patrols into critical areas ahead of Federation vessels. During normal operations the scout is used for both surveillance and picket duty around capital ships. The vessel's small size make it both swift and difficult to target.

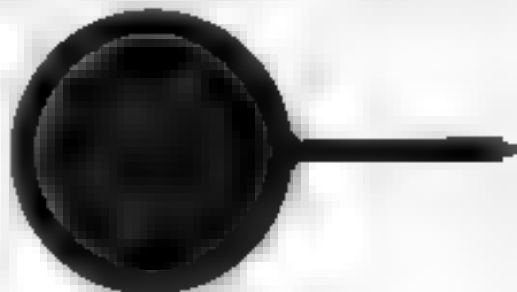
Physical Description: The PH147/S M2) primary hull is equipped with additional sensors, hull reinforcements and a small hangar deck located in the upper starboard side. Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. The primary hull is equipped with the BS11/S J1) bridge which incorporates the larger enhanced sensors and tracking station. On the lower part of the primary hull is the (SM49/41) main sensor array and (DN1/9 J) navigation dome. Below the warp nacelles is the (SM1/52/2A) lower sensor array. Located port starboard and to the front on both top and bottom of the primary hull are 6 (H12/30/2C) phaser banks. To the rear of the primary hull are (P186/2 SB) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated a single (SW52/1/5H) warp nacelle mounted underneath the secondary hull by a (D1/50/48) connecting dorsal. Inside the dorsal are the (M20/10 IE) sternum chamber and (AM1/42A) matter antimatter storage tanks. The storage tanks are located on the rear of the connecting dorsal for emergency jettisoning. Nested between the dorsal and the nacelle is a forward facing PB2/25/10H photon torpedo bay. In the event of an emergency the primary hull can separate from the warp nacelle section. Once separated the primary hull can maneuver on impulse power for extended periods of time.

Class Emblem



Ship Silhouettes

Total Target Area 87081.37 m²



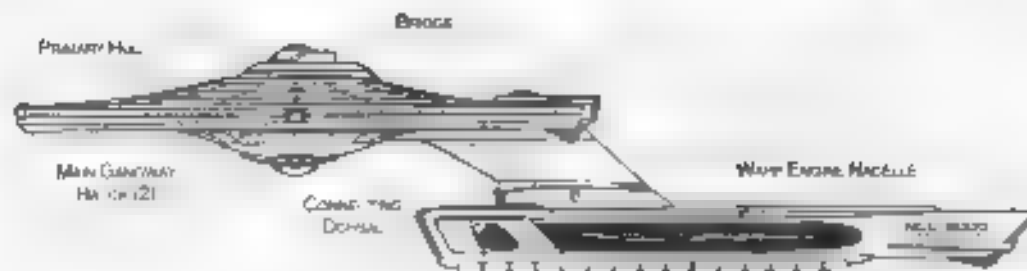
Top Silhouette
Area 18870.17 m²



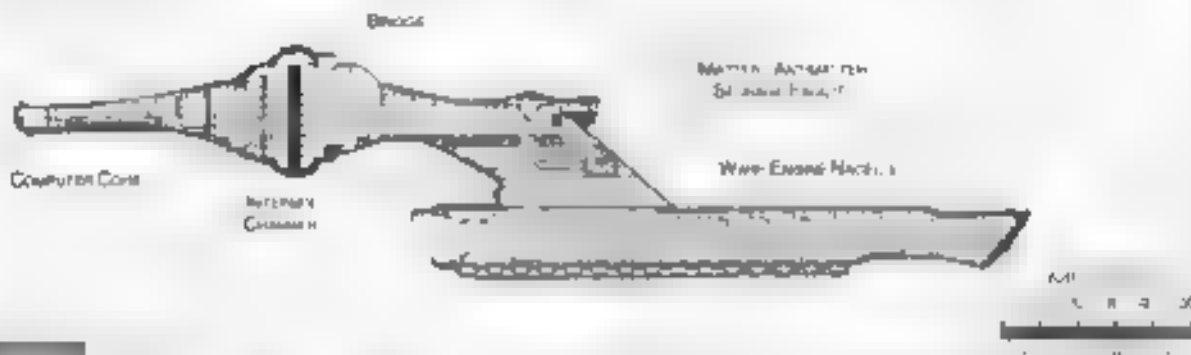
Port Silhouette
Area 8808.24 m²



Front Silhouette
Area 8344.80 m²



POST PROFILE



Statistics

Classification: *None*
Category: *001*
Class: *Armored*
Type: *Circle*
Model: *MX VII*
Naval Construction Contract: *5000*
Number Proposed: *00*
Number Constructed: *00*
Number in Service: *00*
Number Lost: *0*
Displacement:
Overall Dimensions (Meters):
Length: *104.95m*
Width: *14.17m*
Height: *30.1m*
Primary Hull Dimensions (Meters):
Length: *48.7m*
Width: *8.02m*
Height: *32.04m*
Secondary Hull Dimensions (Meters):
Length: *N/A*
Width: *N/A*
Height: *N/A*
Warp Unit Dimensions (Meters):
Length: *54.8m*
Width: *12.63m*
Height: *18.72m*
Displacement (Metric Tons):
Light: *4,255mt*
Standard: *5,350mt*
Full Load: *188,955mt*
Performance:
Impulse Units: *Over 1000 IFF 350-3.5B*
Impulse Engine Output: *8x10¹⁰ W*
Impulse Power Index: *70*
Max Cruising C:
Acceleration Rate:
0.00-0.25 Impulse: *0.7 sec*
0.25-0.50 Impulse: *0.76 sec*
0.50-0.75 Impulse: *0.235 sec*
0.75-Full Impulse: *0.294 sec*
Warp Units: *2 Variable Units SW52/-5A*
Warp Engine Output: *20x10¹⁰ W*
Warp Power Index: *0.55*

| | | | |
|----------------------|-----------|-----------|--|
| Optimum Speed Warp 4 | | | |
| Max Safe Cruising | | Warp 6 | |
| Emergency Speed | | Warp 8.1 | |
| Max Speed | | Warp 9 | |
| Dead further Speed | | Warp 9.26 | |
| Acceleration Power | | 0 | |
| Acceleration Time | | | |
| Warp 1 | Warp 2 | 1.14 sec | |
| Warp 2 | Warp 3 | 1.1 sec | |
| Warp 3 | Warp 4 | 1.1 sec | |
| Warp 4 | Warp 5 | 1.14 sec | |
| Warp 5 | Warp 6 | 1.1 sec | |
| Warp 6 | Warp 7 | 1.14 sec | |
| Warp 7 | Warp 8 | 1.1 sec | |
| Warp 8 | Warp 9 | 1.14 sec | |
| Warp 9 | Warp 9.26 | 1.1 sec | |
| Warp 9.26 | Warp 9.5 | 1.14 sec | |
| Warp 9.5 | Warp 9.75 | 1.1 sec | |
| Warp 9.75 | Warp 9.9 | 1.14 sec | |
| Warp 9.9 | Warp 10 | 1.1 sec | |

Marine 24 Years
Wgt. Ship Complement: 344
Onboard: 5
Crew (Shipboard): 277
Troops:
Passengers: 25
Emergency condition: 146
Medical Facilities:
Doctors: 4
Nurses: 7
Operating Rooms: 3
Beds: 2

Laboratory: 20
 Transporters: 20
 1 Person: 3
 2 Person: 0
 6 Person: 3
 12 Person: 0
 22 Person: 3
 Small Cargo: 2
 Medium Cargo:
 Large Cargo:
 Heavy Cargo: 0

1000
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 10000
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Elementary Survey: \$744
 Stellar Survey: \$757
 Short Range: \$2836
 Long Range: \$525
 Navigation: \$587
 Special: \$95
Comments:
 Type: ☐ Survey ☐ Survey & S
 Trans: ☐ Survey ☐ Survey

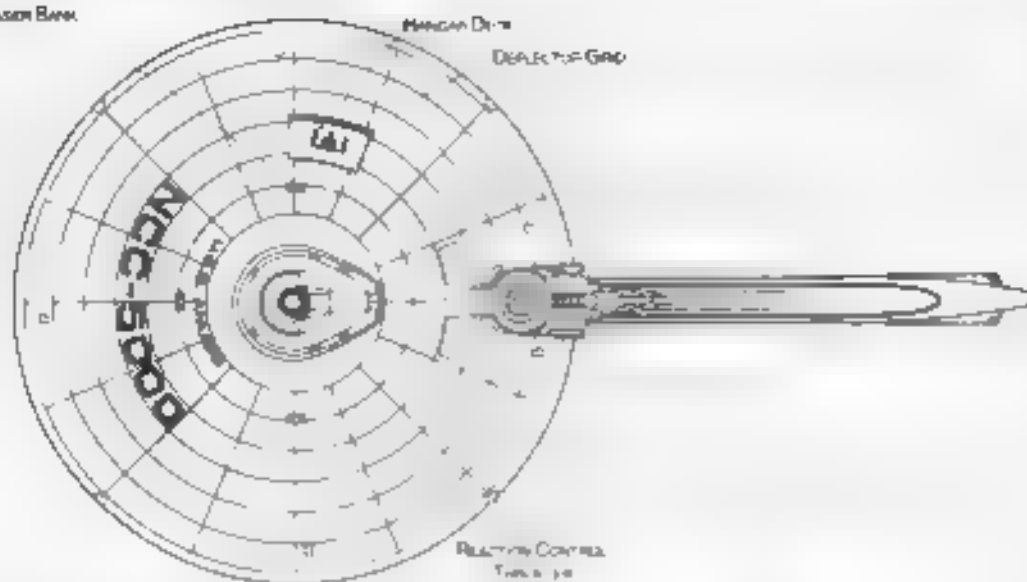
IxM Index: 35
 Radar Rating:
 Shield Index: 40
 Mainstiff Power: 114s W
 Rebreath Rate: 114s W
 Breakdown Rate: 114s W
 Shield Dimensions (Height)
 Length: 4.44m
 Width: 2.7m
 Height: 7.36m
 Weapons:
 Photon Power Index: 35
 Photon Power Index: 4
 Vessel Power Index: 59
 Weapon Placement
 Guns (Phasers): Total: 6 banks 2 each
 Output: 1s W x 5s 0' W
 Range: 2 is .15 km
 Rate of Fire: 0 pph Oct4
 Forward Banks: 2
 Rear Banks: 0
 Port Banks: 2
 Starboard Banks: 2
 Upper Banks: 0
 Lower Banks: 0
 Guns (Warp Phasers): Total: 0
 Output: N/A
 Range: N/A
 Rate of Fire: N/A
 Forward/Rear Banks: 0
 Port/Starboard Banks: 0
 Upper/Lower Banks: 0
 Torpedoes (Photons): Total: Bay, 2 s
 (Mach 3)
 Range: 2 to 10⁵ km
 Output: 10-50 Megawatts
 Rate of Fire: 0 spm
 Forward Bay:
 Rear Bay: 0
 Port Bay: 0
 Starboard Bay: 0
 Upper Bay: 0
 Lower Bay: 0



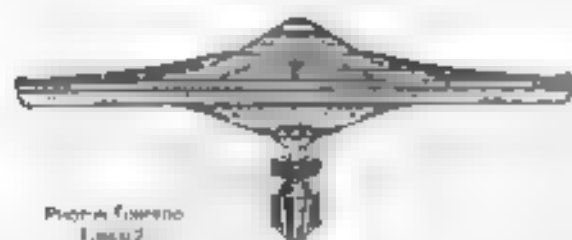
PHASER BANK

MANICOR DRIVE

DETECTIVE GRID



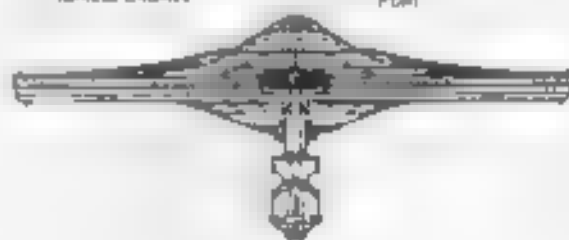
TOP PROFILE



FRONT PROFILE

MANICOR DRIVE

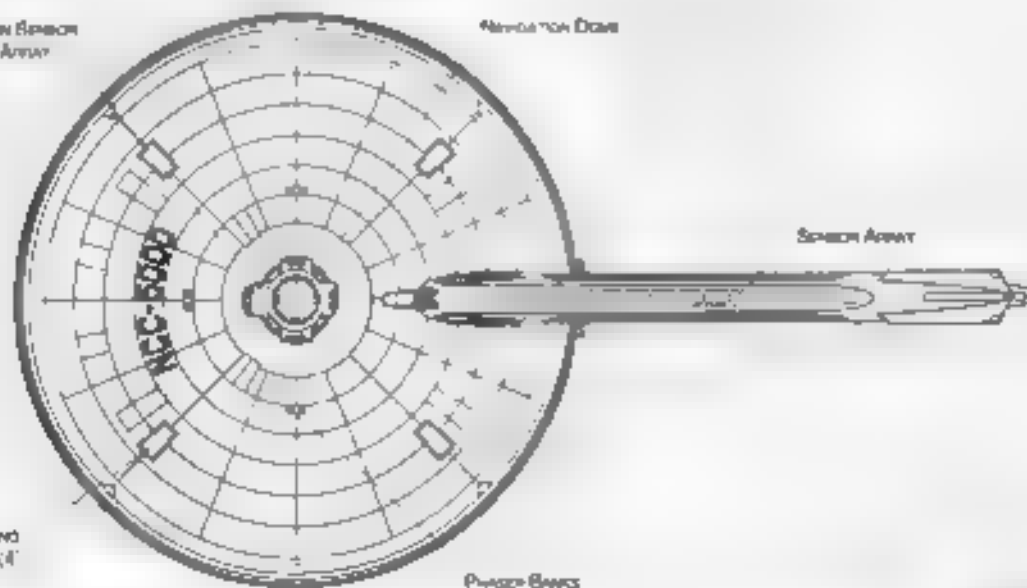
PHASER BANK



REAR PROFILE

MANICOR DRIVE

DETECTIVE GRID



BOTTOM PROFILE

 METERS
 0 10 20 30 40 50



Ship Names

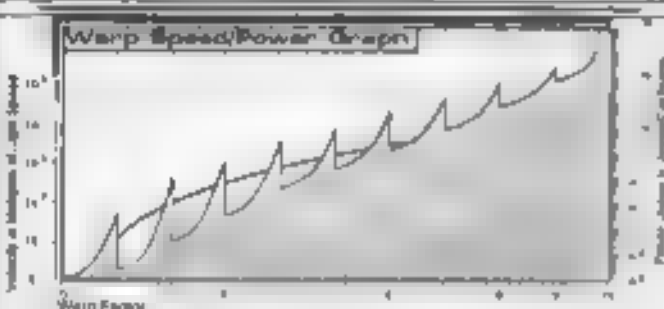
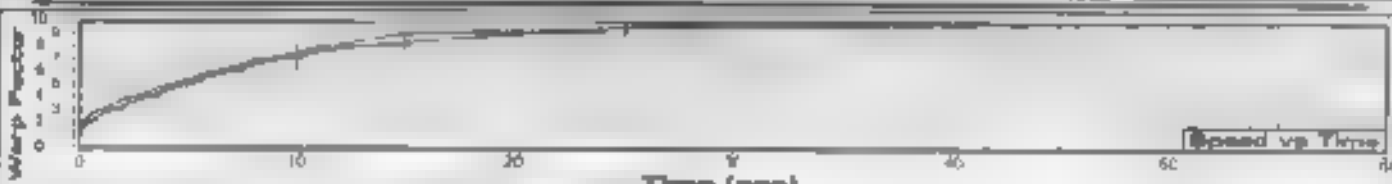
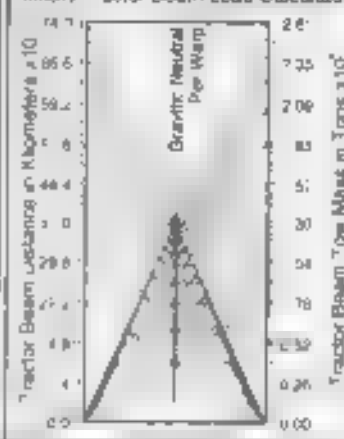
THE FOLLOWING SHIPS OF THE MK-XXX CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2266.3

| | | | |
|-----------------|-----------------|-------------------|--------------------|
| ALON IN MC 5002 | CYNUS MC 5003 | ALPS MC MC 5004 | QUINTUS MC MC 5004 |
| ANUBUS MC 5007 | DABILA MC 5008 | LACUNA MC MC 5005 | RAM MC 5005 |
| ARPEL MC 5009 | DEBRAN MC 5009 | LEC MC 5006 | RE MC 5006 |
| AP-5 MC 5010 | FLANA MC 5010 | LEC MC MC 5008 | RE MC 5008 |
| AQUILA MC 5037 | DOWNING MC 5038 | LE MC 5009 | RE MC 5009 |
| ARIES MC 5016 | DYKE MC 5016 | LE MC 5010 | RE MC 5010 |
| ARM PI MC 5000 | ECKEL MC 5046 | LE MC 5011 | RE MC 5011 |
| BADGE MC 5008 | EDUARD MC 5017 | LE MC 5012 | RE MC 5012 |
| BARON MC 5011 | ESLA MC 5018 | LE MC 5013 | RE MC 5013 |
| BAXTER MC 5013 | ESLAI MC 5019 | LE MC 5014 | RE MC 5014 |
| BEL MC 5014 | FABRI MC 5018 | LE MC 5015 | RE MC 5015 |
| BROGER MC 5006 | FES MC 5019 | LE MC 5016 | RE MC 5016 |
| BURTON MC 5000 | GOMES MC 5020 | LE MC 5017 | RE MC 5017 |
| AWP MC 5010 | GOMES MC 5020 | LE MC 5018 | RE MC 5018 |
| ANIS MC 5010 | GOMES MC 5020 | LE MC 5019 | RE MC 5019 |
| ANIS MC 5010 | GOMES MC 5020 | LE MC 5020 | RE MC 5020 |
| ANIS MC 5010 | GOMES MC 5020 | LE MC 5021 | RE MC 5021 |
| ANIS MC 5010 | GOMES MC 5020 | LE MC 5022 | RE MC 5022 |
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| ANIS MC 5010 | GOMES MC 5020 | LE MC 5100 | RE MC 5100 |

CLASS SHIP "LOST IN THE LINE OF DUTY" - CONSIDERED ALL NAMES ENDING WITH "U.S.S."

Tractor Beam Specifications

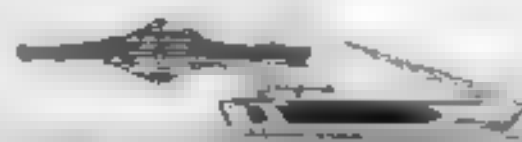
Primary Tractor Beam Load Calculator



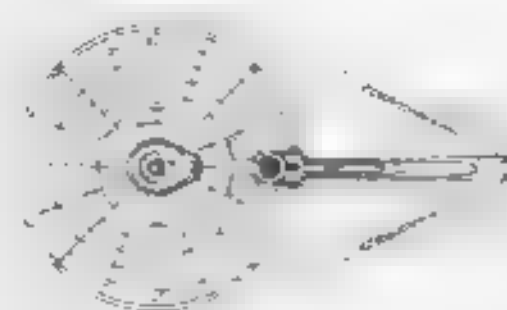
Field Length 9.44 km
Field Width 1.73 km
Field Range 7.1 km



Front Warp Field Profile
Cross Section Area 11800.8 m²



Port Warp Field Profile
Cross Section Area 29263.80 m²



Top Warp Field Profile
Cross Section Area 29263.80 m²

EXPLORATION CRUISER

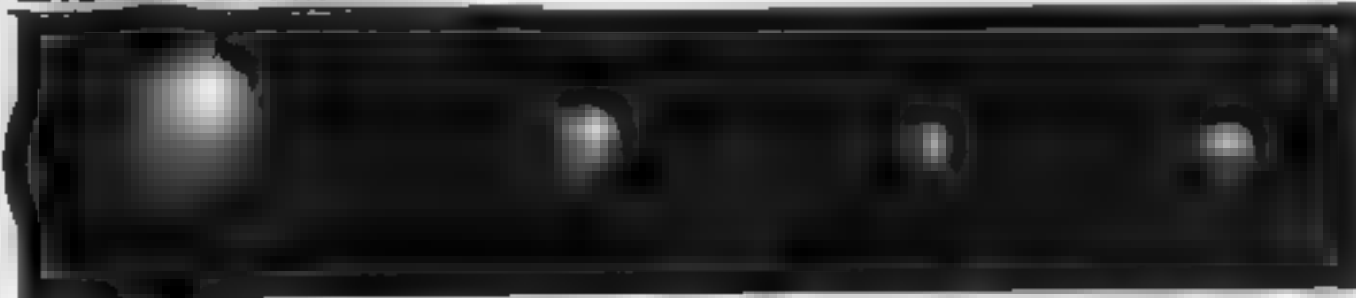


General Information

Specific Role: The Exploration Cruiser is an extensive system charting and exploration vessel. The ship is equipped with an enhanced sensor array for extensive solar system exploration and two dual impulse units for added in-system maneuverability. In order to maintain the Prime Directive, the cruiser incorporates ECM, ECCM devices to reduce the risk of being detected by developing cultures. These vessels are used to investigate worlds for formal first contact.

Physical Description: The Exploratory Cruiser incorporates an extended (PHE 47 FMI) primary hull and is equipped with enhanced passive sensors, advanced research systems and additional laboratories. Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. The primary hull is equipped with the (HS 17R E2) bridge which incorporates the enhanced sensor and multiple scientific stations. On the lower part of the primary hull is the (SM4H 7N) main sensor array and (DN 1W) navigational dome. Underneath the primary hull are three (SMH 42 2A) passive sensor arrays. On the front of the primary hull is an integrated (SMFN 1H/4N) sensor array and navigational deflector located port starboard and to the front on both top and bottom of the primary hull are 6 (SP2 30 20) phaser banks. To the rear of the primary hull are two (1180h 2WY 1a) nacelle ports which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by a single (SW52 5H) warp nacelle located above the primary hull. The warp nacelle is attached to the hull by a (DL 5H 5 H) connecting dorsal. Inside the primary hull are the (M20/10) Quantum chamber and (AM8 8 2Z) matter/antimatter storage tanks. The storage tanks are positioned to the port side of the primary hull for emergency jettisoning. Between the impulse units is a medium hangar deck. In the event of an emergency the primary hull can separate from the warp nacelle. Once separated the primary hull can maneuver on impulse power for extended periods of time.

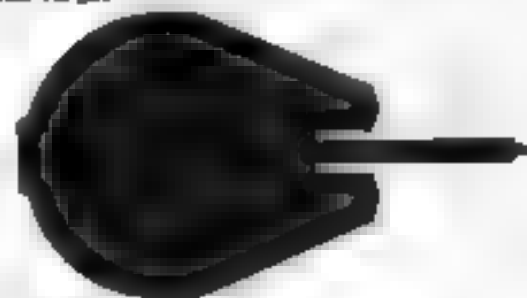
Class Emblem



GREGORY CLASS EXPLORATION CRUISER

Ship Silhouettes

Total Target Area 30844.18 m²



Top Silhouette
Area 82596.00 m²



Port Silhouette
Area 9781.88 m²



Front Silhouette
Area 2198.20 m²

SRM2 04:05:01:01



Statistics

Respect Charges: 0

Type: **Excluded Question III**

Marboard May 0

Type: ☐ 2014년 12월 11일

FEDERATION VESSEL

EXPLORATION CRUISER



PULSAR BANK

DEFLECTOR GRATE

REACTION CONTROL
THRUSTERS

TOP PROFILE

NAVIGATION
DOME, FIDUCIAL AND
SENSOR ARRAY (3)

MAINLINE ENGINES (2)

LANDING BAY
DOORS

FRONT PROFILE

REAR PROFILE

MAIN SENSOR
ARRAY

NAVIGATION DOME

REACTION CONTROL
THRUSTERSLANDING
PADS (4)

PULSAR BANK

LOWER SENSOR
ARRAYS (3)

BOTTOM PROFILE

METERS
0 10 20 30 40 50



Ship Names

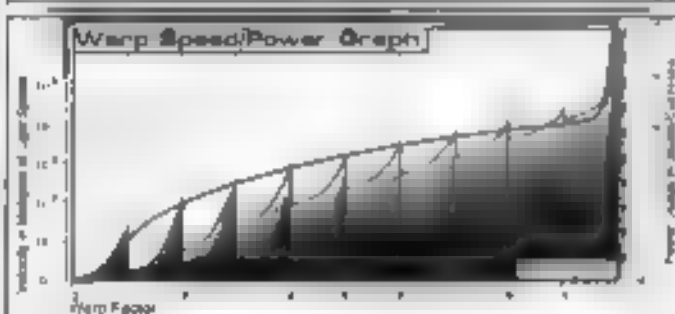
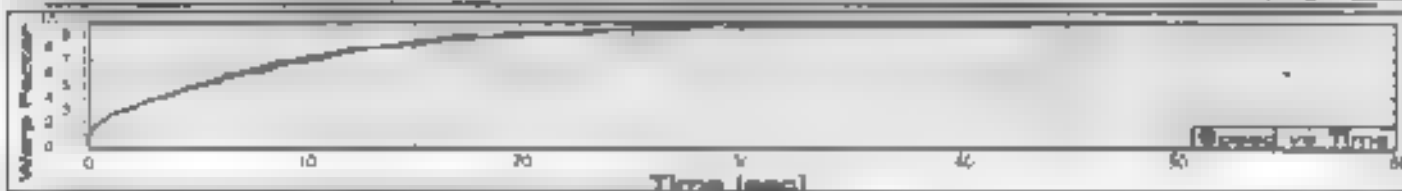
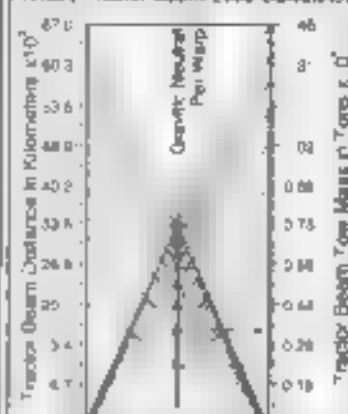
THE FOLLOWING SHIPS OF THE NK XXIV CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF REGISTRATION OF STARDATE 0770 11

[illegible]

CLASB SHIP. 'LOST IN THE LINE OF DUTY. 'TWOHUNDRED ALL NAMES PREFIXED WITH 'U.S.A.'

Tractor Beam Specifications

Primary factor Beam load (kilograms)



Printed Laminates 800-888-8888
 Plastic Laminates 800-888-8888
 Plastic Laminates 800-888-8888



Front Warp Field Profile
Gross Swept Area: 120-15.00 m²

Port: Warp Field Profile
Over Matter Area 2018-09-06 17:00

Top Warp Field Profile
Cross Section Area 20418.18 m²

WARP FIELDS

SAM2 04:05:01:04

STARFLEET REFERENCE MANUAL

GREGORY CLASS

FF-3-FAT-DM-VESSEL

RESEARCH VESSEL



General Information

Specific Role: The Research Vessel is a small efficient starship used for intensive research. Additional band width sensors and extensive research laboratories throughout the vessel give it a comprehensive research platform. Despite this vessel's small size, its contributions to the research community have earned it a highly respectable reputation.

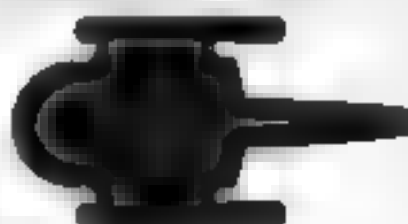
Physical Description: The (SH103 R1-4) ship is equipped with additional research systems and laboratories. The vessel is equipped with a (RF5 R1-5) bridge which incorporates additional research instrumentation. On the lower part of the hull is the (SM15 5D) main sensor array and (DN2 3D) navigational dome. Positioned forward of the bridge is a (BP2/30 2C) phaser bank. At the rear of the primary hull are (ISR 0F 3 G1) dual impulse engines which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SL38/1 2L) warp nacelles attached to each side of the hull. Running horizontally between the nacelles is the (M20/1 2D) intermix chamber. Installed to the rear of the hull are the (AM1 5 2A) matter/antimatter storage tanks for emergency jettisoning. On the front of the hull is a small hangar deck. Slung underneath the primary hull by two (X1 3L 15G) connecting dorsals is a (SE 53 R 02) secondary hull. The secondary hull is primarily used for research and contains most of the vessel's sensors and research facilities. On the lower front of the secondary hull is the (SM1 25U 1 0) primary sensor array. Facing rearward on the secondary hull is a (SM1 74 4G) secondary sensor array. In the event of an emergency, the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Target Area 13144.35 m²



Top Silhouette
Area 7703.18 m²



Port Silhouette
Area 3509.4 m²

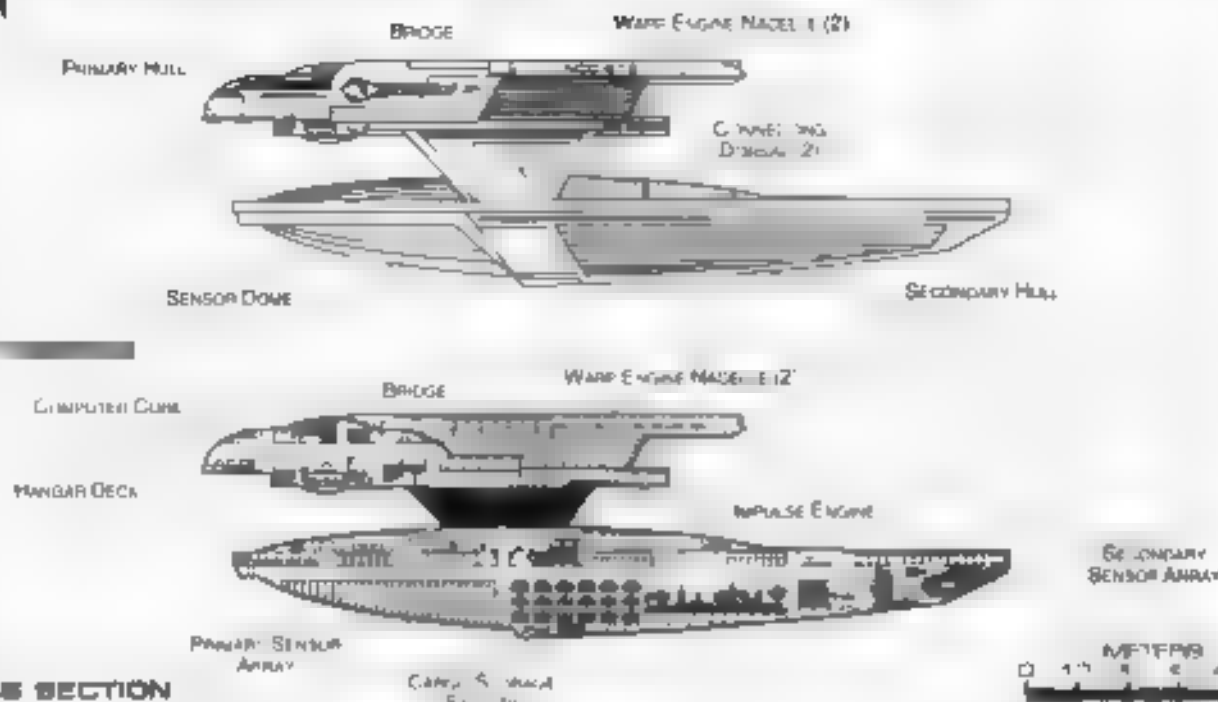


Front Silhouette
Area 1491.50 m²



RESEARCH VESSEL

OBERTH CLASS



Statistics

Classification: Research Vessel

Category: Research Vessel

Class: Obert

Type: 1000

Model: VR-1

Naval Construction Contract: 900

Number Proposed: 14

Number Constructed: 96

Number In Service: 14

Number Lost: 2

Dimensions:

Overall Dimensions (Meters)

Length: 44.1m

Width: 12.97m

Height: 44.1m

Primary Hull Dimensions (Meters)

Length: 44.1m

Width: 12.97m

Height: 44.1m

Secondary Hull Dimensions (Meters)

Length: 57.2m

Width: 12.97m

Height: 27.2m

Warp Deck Dimensions (Meters)

Length: 8.13m

Width: 10.05m

Height: 2.1m

Displacement (Metric Tons)

Light: 17,435mt

Standard: 40,1mt

Full Load: 44,775mt

Performance:

Impulse Drive: Dual J44 (SR-304)

Impulse Engine Output: 6.0K10¹² W

Impulse Power Index: 4.02

Max Cruising: 7

Acceleration Ratio:

0.00-0.25 Impulse: 0.162 sec

0.25-0.50 Impulse: 0.244 sec

0.50-0.75 Impulse: 0.325 sec

0.75 Full Impulse: 0.406 sec

Warp Drive: 2 Nozzle (SR-304-2JL)

Warp Engine Output: 32x10¹⁴ W

Warp Power Index: 0.79

Optimum Speed: Warp 4

Max Safe Cruising: Warp 4

Emergency Speed: Warp 4

Max Speed: Warp 5

Destructive Speed: Warp 5.5

Acceleration Power:

Acceleration Times:

Warp 1 Warp 1: 1.54 sec

Warp 1 Warp 3: 4.0 sec

Warp 3 Warp 4: 1.0 sec

Warp 4 Warp 5: 1.0 sec

Warp 5 Warp 6: 1.0 sec

Warp 6 Warp 7: 1.0 sec

Warp 7 Warp 8: 4.0 sec

Warp 8 Warp 9: 4.0 sec

Warp 9 Warp 10: 4.0 sec

Warp 10 Warp 11: 4.0 sec

Warp 11 Warp 12: 4.0 sec

Warp 12 Warp 13: 4.0 sec

Warp 13 Warp 14: 4.0 sec

Warp 14 Warp 15: 4.0 sec

Warp 15 Warp 16: 4.0 sec

Warp 16 Warp 17: 4.0 sec

Warp 17 Warp 18: 4.0 sec

Warp 18 Warp 19: 4.0 sec

Warp 19 Warp 20: 4.0 sec

Warp 20 Warp 21: 4.0 sec

Warp 21 Warp 22: 4.0 sec

Warp 22 Warp 23: 4.0 sec

Warp 23 Warp 24: 4.0 sec

Warp 24 Warp 25: 4.0 sec

Warp 25 Warp 26: 4.0 sec

Warp 26 Warp 27: 4.0 sec

Warp 27 Warp 28: 4.0 sec

Warp 28 Warp 29: 4.0 sec

Warp 29 Warp 30: 4.0 sec

Warp 30 Warp 31: 4.0 sec

Warp 31 Warp 32: 4.0 sec

Warp 32 Warp 33: 4.0 sec

Warp 33 Warp 34: 4.0 sec

Warp 34 Warp 35: 4.0 sec

Warp 35 Warp 36: 4.0 sec

Warp 36 Warp 37: 4.0 sec

Warp 37 Warp 38: 4.0 sec

Warp 38 Warp 39: 4.0 sec

Warp 39 Warp 40: 4.0 sec

Range:

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SCM Index: 7.00

Shield Rating:

Shield Index: 1.00

Shield Power: 2.75x10¹² W

Shield Rate: 1.00x10¹² W

Breakdown Rate: 1.00x10¹² W

Shield Dimensions (Meters)

Length: 19.00m

Width: 19.00m

Height: 19.00m

Weapons:

Photon Power Index: 0.547

Photon Power Index: 0.547

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Photon Power Index: 0.547

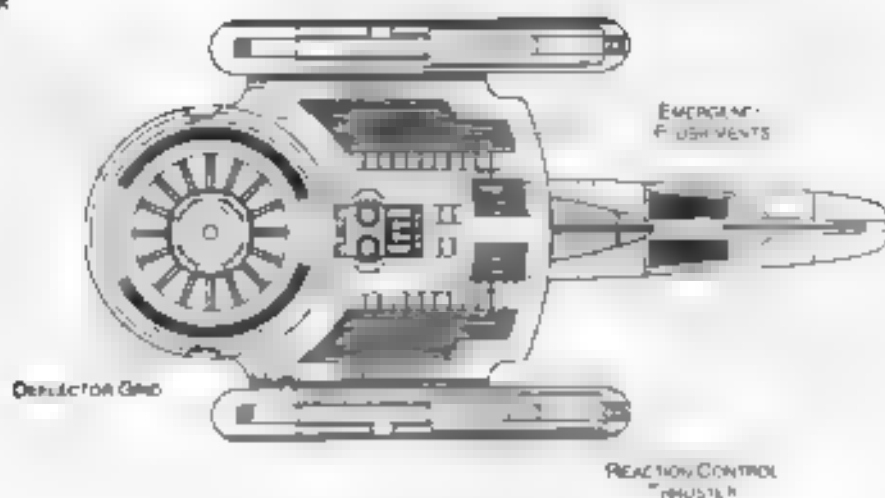
Photon Power Index: 0.547

FEDERATION VESSEL

RESEARCH VESSEL

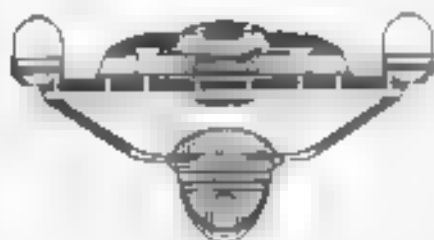


PHASER BANK



TOP PROFILE

MAIN DECK

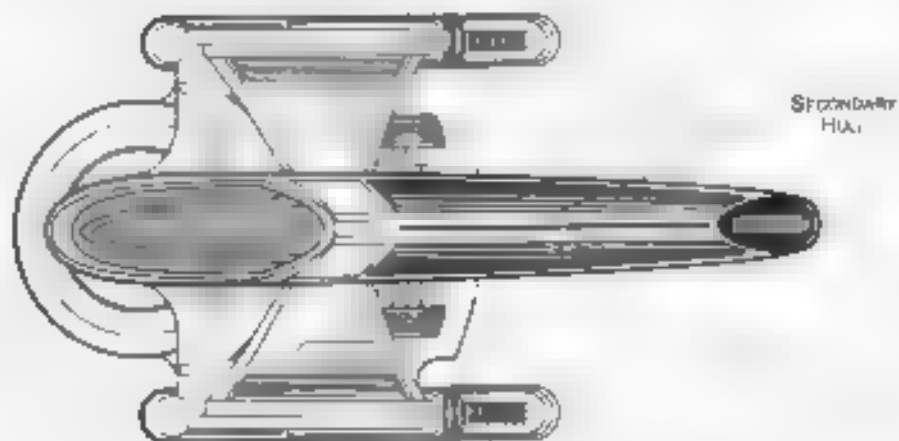


FRONT PROFILE

IMPALE ENGINES

REAR SENSOR
ARRAY

REAR PROFILE

SECONDARY
HULL

BOTTOM PROFILE



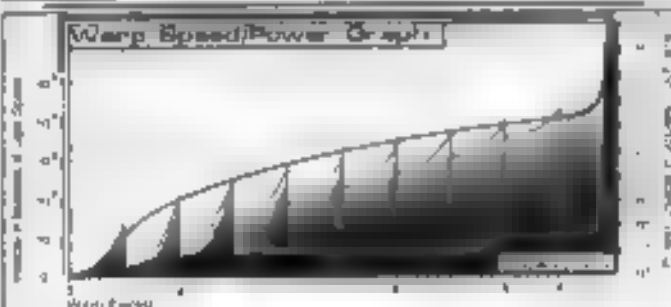


OBERTH CLASS

Tractor Beam Specifications

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73-6784-28-2. 3 OUT IN THE LINE OF DUTY. THE FOLLOWING NAMES REGISTERED WITH 911-212

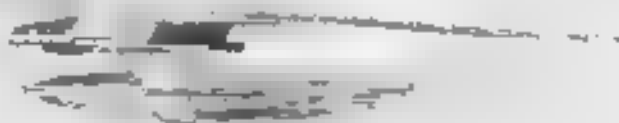


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 Page: 1 of 1



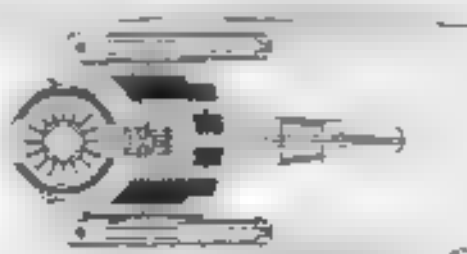
Front Warp Field Profile

Grasshopper Creek Area 7836-52 m



Port Warp Field Profile

Crane Rental Area 50018.23 m



Top Warp Field Profile

Green Mountain Area 40007.00 m

WARP FIELDS

SRM2 04:05:02:04

STARFLEET REFERENCE MANUAL

FEDERATION VESSEL

STAR CRUISER



General Information

Specific Role: The Star Cruiser is a long range exploration research vessel. This vessel is equipped with six multipurpose research bays that allow various experiments and sensors to be exposed to space. The Star Cruiser is able to maintain sustained warp speeds for extended periods of time through the use of four warp nacelles which phase-shift through a rotating pairs to reduce the stress to any one engine. The additional engines and redundant equipment allow the cruiser to explore areas away from Federation space where assistance may not be immediately available.

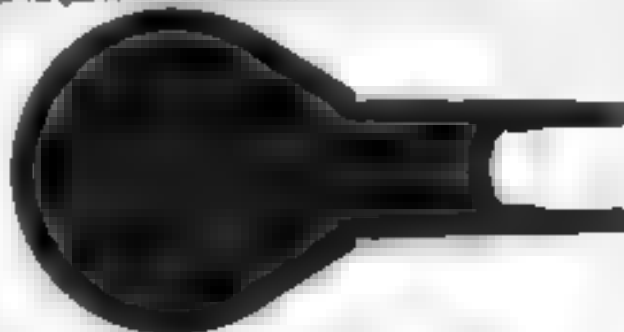
Physical Description: The Star Cruiser's extra thick (XTM1147/FM1) hull uses elements from standard primary hull designs and is equipped with additional research systems and laboratories. Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. The hull is equipped with the (BS14/S.D.M) bridge which incorporates the enhanced sensor and scientific stations. On the lower part of the primary hull is the (SM54/4K) main sensor array and (JNG/V) navigational dome. Located on the port/starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2C) phaser banks. To the front of the primary hull both port and starboard are two (HP2-22-2C) heavy phaser banks. Incorporated into the main support pylons are forward and rear firing (B1-1/50-10E) photon torpedo tubes. On the lower forward section of the primary hull are (JNG/AQ) navigational deflectors which assist the navigational shields in deflecting oncoming debris. In the front of the primary hull is a medium hangar deck. Around the primary hull are six multipurpose research bays. To the rear of the hull are two (GRF35E/5 TH) dual impulse units which are used for auxiliary power and slow warp propulsion. The cruiser's warp fields are generated by four (SW52/1-5KT) warp nacelles attached in pairs. Each set is attached to the primary hull via a (307) support pylons. Inside the pylons is the (M1H/12-2k) internal chamber. To the rear of the hull are the (AM8-58-75k) matter and matter storage tanks which allow for emergency jetting. In the event of an emergency the primary hull can separate from one or more of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



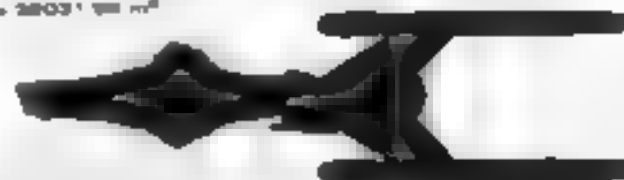
Ship Silhouettes

Total Target Area: 48718.08 m²



Top Silhouette

Area: 28031.98 m²



Port Silhouette

Area: 11707.78 m²

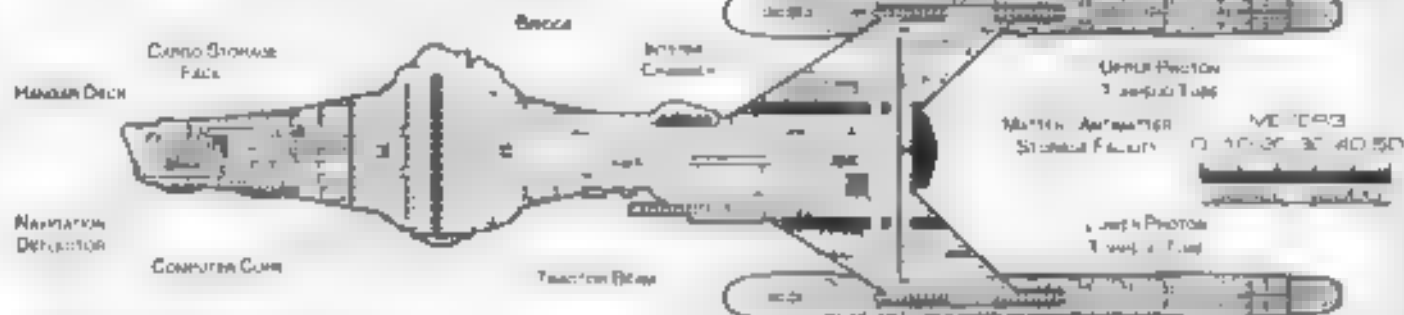


Front Silhouette

Area: 3576.78 m²



CONSTELLATION CLASS



CROSS SECTION

Statistics

ECM Index: 25
Shield Rating:
Shield Index: 0.02
Shield Power: 3.40×10^{-2} W
Shield Rate: 0.0×10^{-2} W
Shield Down Rate: -1.1×10^{-2} W
Shield Dimensions (Meters):
Length: 100.50m
Width: 30.00m
Height: 10.00m

Weapons:

Power Power Index: 1.43
Photon Power Index: 0.0
Weapon Power Index: 2.3
Weapon Modifiers:

Beam (Phasers) Total: 8 banks 2 each
Output: 5.0×10^{-2} W 2.5×10^{-2} W
Range: 2.5×10^5 km
Rate of Fire: 100 ppm Cont
Forward Banks: 2
Rear Banks: 0
Port Banks: 2
Starboard Banks: 2
Upper Banks: 0
Lower Banks: 1

Beam (Warp Phasers) Total: 2 banks 2 each
Output: 1.1×10^{-2} W 0.5×10^{-2} W
Range: 0.0 0^5 km
Rate of Fire: 10 ppm Cont
Forward/Rear Banks: 0
Port/Starboard Banks: 2
Upper/Lower Banks: 0

Torpedoes (Photons) Total: 2 Bay 2 each
Stock: 0
Range: 2.0×10^5 km
Output: 10-50 Megatons
Rate of Fire: 10 ppm
Forward Bay: 2
Rear Bay: 2
Port Bay: 0
Starboard Bay: 0
Upper Bay: 0
Lower Bay: 0

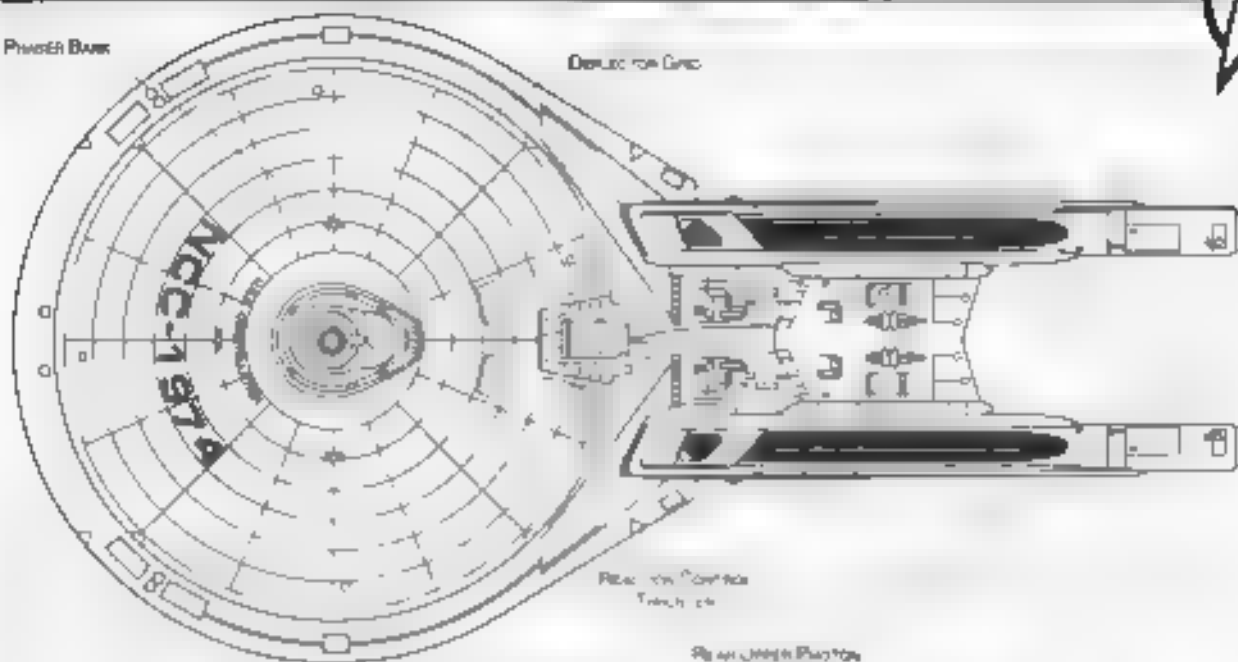
FEDERATION VESSEL

STAR CRUISER



PHOTON BANK

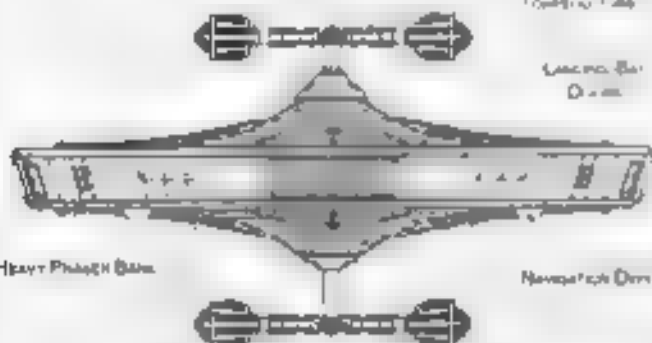
DEFLECTOR GRID



TOP PROFILE

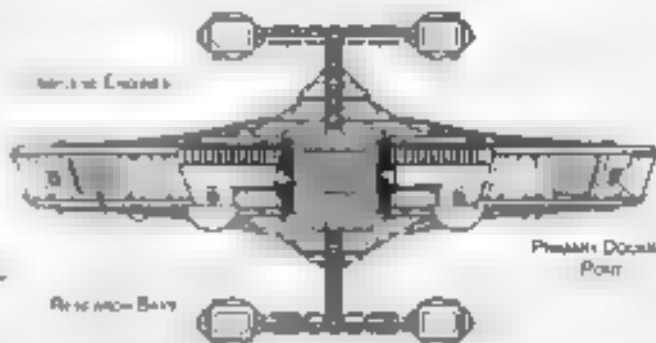
FORWARD LOWER PHOTON TUNNEL TUBE

REAR LOWER PHOTON TUNNEL TUBE



HEAVY PHOTON BANK

LANDING BAY DECK



PHOTON DOCKING POINT

FRONT PROFILE

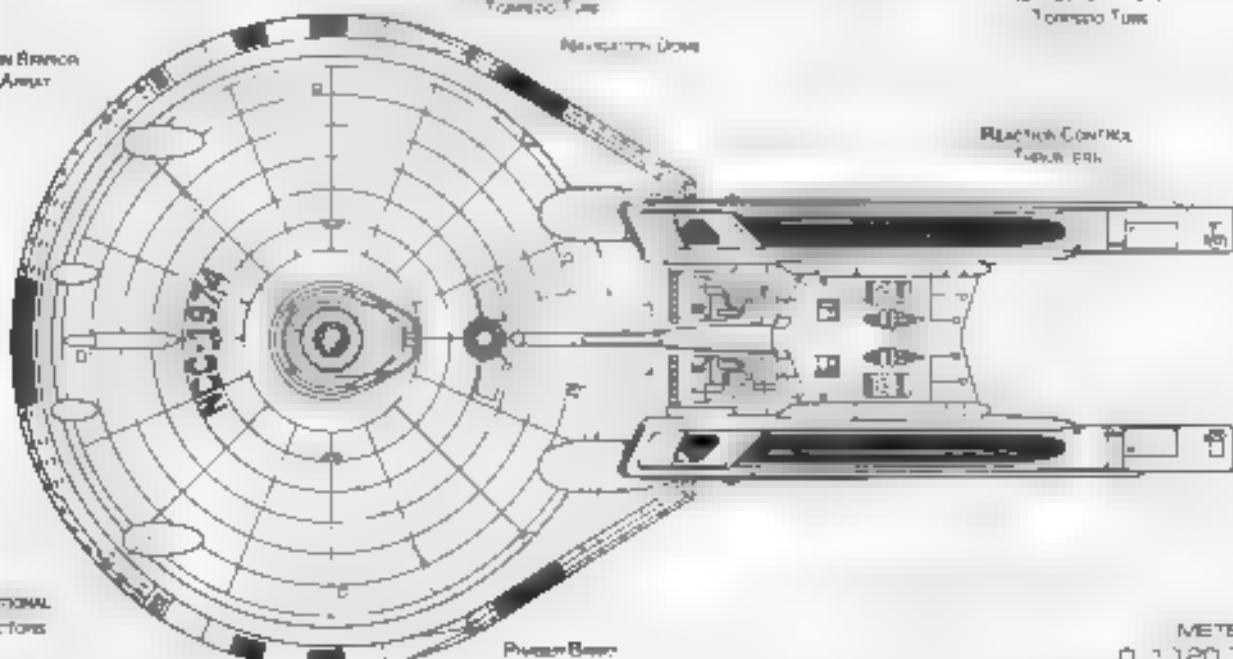
FORWARD LOWER PHOTON TUNNEL TUBE

REAR PROFILE

REAR LOWER PHOTON TUNNEL TUBE

MAIN BRANCH ARMAD

NAVIGATIONAL DECK



REACTOR CONTROL TUBULAR ERA

NAVIGATIONAL DECK

PHOTON BANK

BOTTOM PROFILE

METERS
0 120 30 40 50





Ship Names

THE FOLLOWING SHIPS OF THE MK XXVI CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2225.1

CONSTELLATION AC 374
SEYSHIEL AC 3200
HATHAWAY AC 353
TENT STAR AC 537
NEBULAR AC 442
ODAY AC 25850
SARGAZ II NC 12843
STARQUEST NC 2804
VICTOR AC 9754

CLASSE SHIP TOUT EN DUE LINE OF DUTY. "PROVIDED ALL NAMES PRECEDED WITH "U.S.S."

Tractor Beam Specifications

Primary Tractor Beam Load Calculator

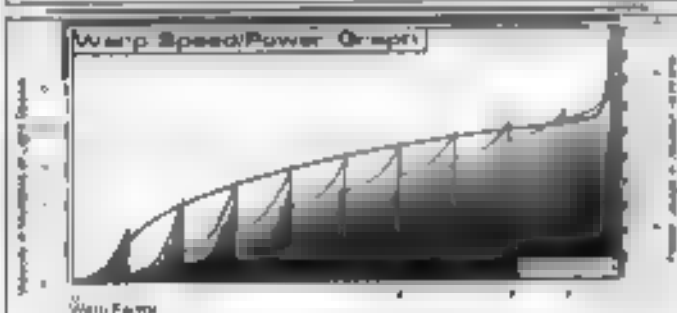
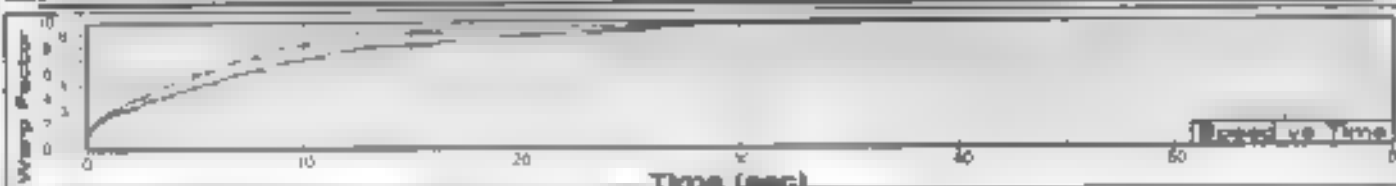
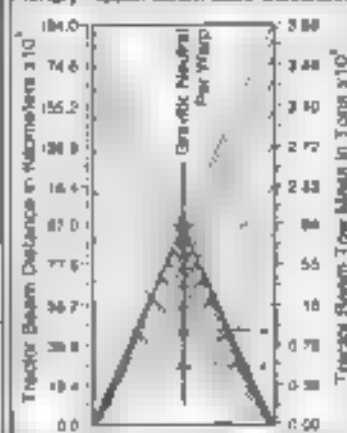


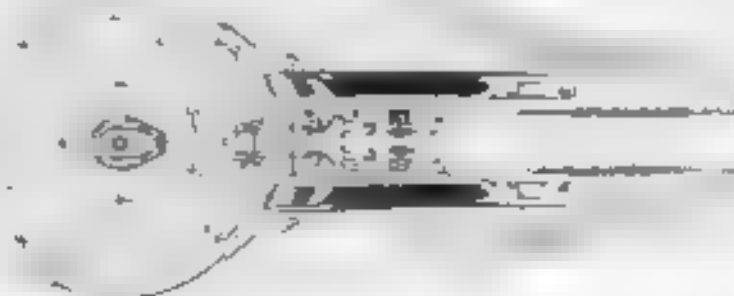
Photo Length: 737.7dm
Photo Width: 880.4dm
Photo Height: 117.4dm



Front Warp Field Profile
Cross Section Area 17248.82 m²



Port Warp Field Profile
Cross Section Area 88473.36 m²



Top Warp Field Profile
Cross Section Area 102548.58 m²

WARP FIELDS

SURVEY CRUISER



General Information

Specific Role: The Survey Cruiser is designed to explore and study stellar anomalies. Extensive laboratories are located throughout the vessel which gives it a large research base. The vessel is equipped with long range sensor arrays designed for stellar exploration and deep space charting.

Physical Description: The PH8143 REF6 primary hull is equipped with additional research systems and laboratories integrated into the standard deflector grid and are additional electronic counter measures to make the vessel more stealthy. The primary hull is equipped with the (BS12 REF1) Bridge which incorporates the larger sensor and scientific stations. On the lower part of the primary hull is the (SM48 REF) main sensor array and (DN45 REF) navigational dome. On the bottom of the primary hull is the (SM222 REF) lower sensor arrays. Located on the port starboard bow and stern of the primary hull both top and bottom are six (BP27402C) phaser banks. On the lower part of the primary hull are the (DN REF4) navigational deflectors which assist the navigational shields in deflecting incoming debris. On each side of the hull is a medium hangar deck. To the rear of the primary hull are (BF REF5 DF) dual impulse units which are used for auxiliary power and sub warp propulsion. The vessel's warp fields are generated by two (SW52/15GG) warp nacelles attached to the upper and lower side of the primary hull by (DU38-34F) support pylons. Running through the hull and connecting dorsals is the (MW44F) intermix chamber. The (AM8/38-3G) matter antenna storage tanks are located below the impulse engines for emergency jettisoning. Positioned between the navigational deflectors is a (PB272510G) photon torpedo bay. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem

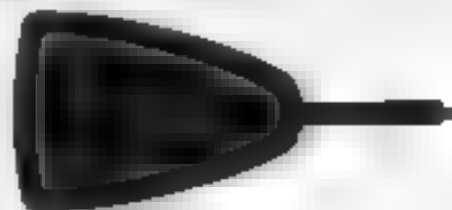
PLEIADES CLASS



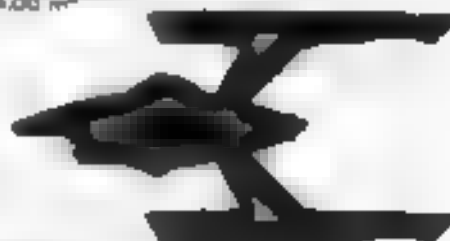
SURVEY CRUISER

Ship Silhouettes

Total Target Area Available: 28 m²



Top Silhouette
Area: 13484.00 m²



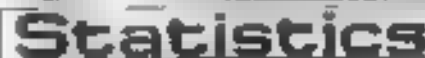
Port Silhouette
Area: 11878.80 m²



Front Silhouette
Area: 3525.15 m²



PLEIADES CLASS

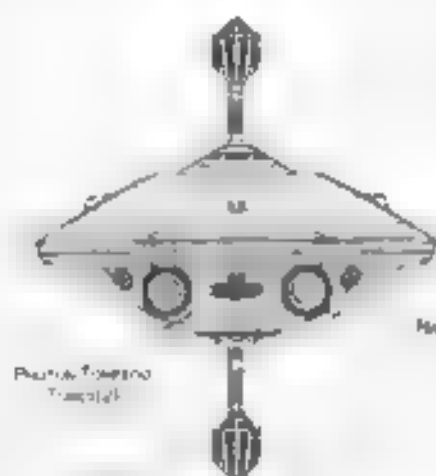
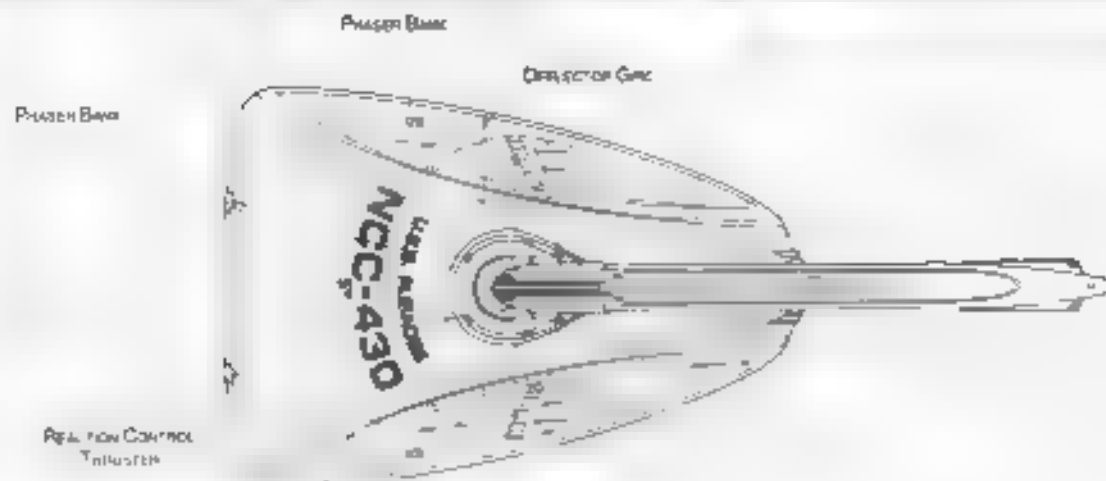


Larwell Bay 0

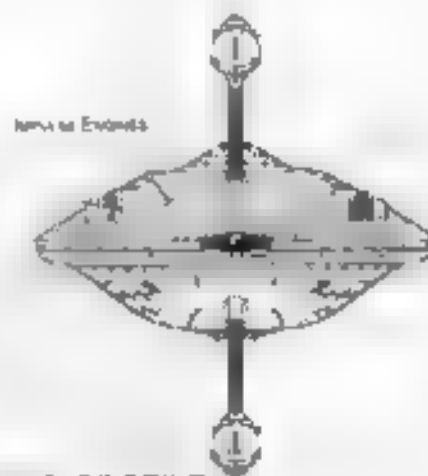
SRM2 04:05:04:02

FEDERATION VESSEL

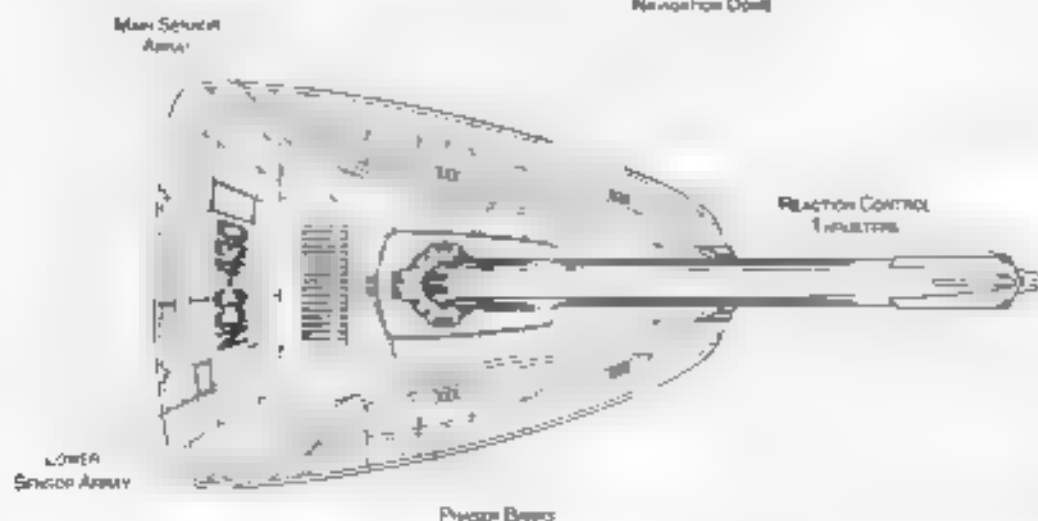
SURVEY CRUISER



FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE





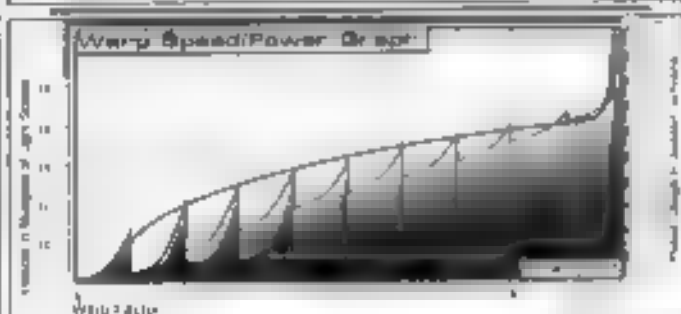
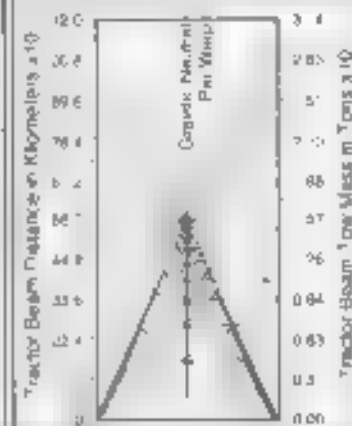
Ship Names

Tractor Beam Specifications

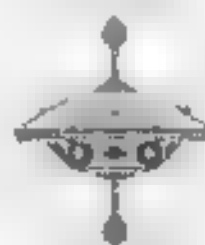
Primary factor Beam Load Calculator

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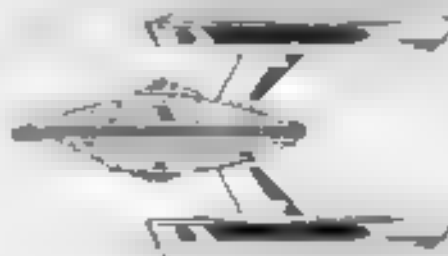
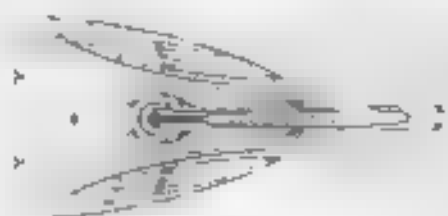
TRADE SHIP LOST IN THE LINE OF DUTY. PROPOSED ALL NAMES PREFIXED WITH M.I.C.



| | |
|------------------|--------------|
| Product Language | ISO-9000 |
| Product Version | 1.75.00 Firm |
| Product Release | 1.003.0000 |



Front Warp Field Profile
Cross Section Area: 1.00 ± 4.50 m²

Port Wasp Field Profile
Gross Section Area 74271.04 m²

Top Warp Field Profile
Cross Section Area 80589.84 m²

WARP FIELDS

5RM2 04:05:04:04

Summary:

RESEARCH MANUAL

FEDERATION VESSEL

TIMESLIP CRUISER

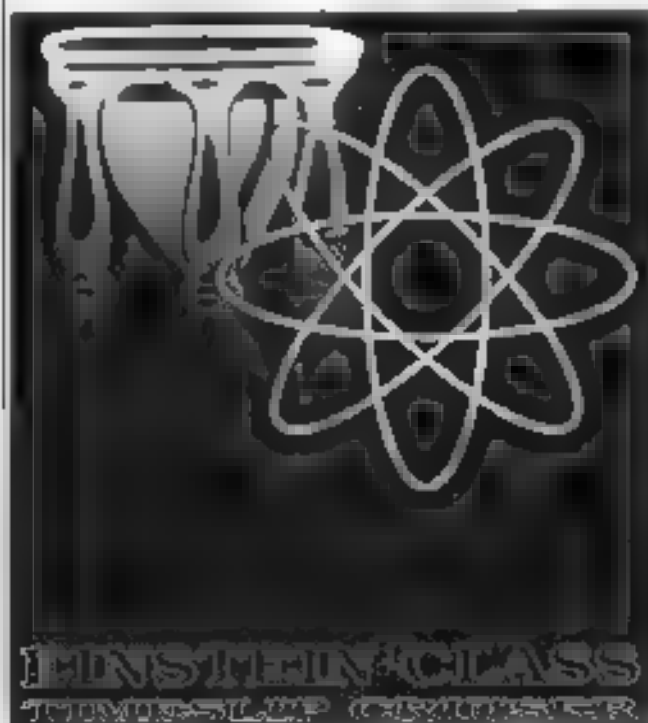


General Information

Specific Role: The Timeslip Cruiser is a space-time exploration vessel. The cruiser is equipped with two physically isolated warp nacelles. This configuration causes a ripple (an extremely unstable warp) into inside of a stable warp field in the space-time continuum. With precise calculations the cruiser is able to regulate this imbalance and skip time and/or time frame. The existence of a time traveling vessel is held secret by Starfleet, while used for research many feel that the knowledge gained does not out-weigh the dangers of altering time. To help conceal the existence of the Timeslip Cruiser, the naval construction contract numbers are included as part of the Anderson Class Heavy Scout NCC listings.

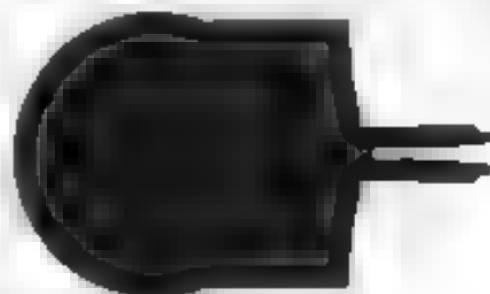
Physical Description: The Timeslip Cruiser uses an extended (PHR 47 KM) primary hull and is equipped with extensive research systems and laboratories. Integrated into the standard deflector grid are additional electromagnetic emitters to make the vessel more stealthy. The primary hull is equipped with a (HS 5-4T) image which contains special space-time manipulation instrumentation. On the lower part of the primary hull is the (SMH 1-6) main sensor array and (DN4-1-G) navigational dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (4P2-10-20) phaser banks. Port and starboard on the upper primary hull forward on the raised extension are two (DN2-6-4-Z) navigational deflectors used to assist the navigational studies in detecting upcoming debris. Two command decks are located starboard of the impulse engines in the rear of the primary hull. Port of the impulse engines is a sensitive (LAA-R) multi-sensor and communications array for communication with research away teams. On the rear of the primary hull are (TMRH-4-FN) dual impulse engines which are also for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SB-52-1-5B) warp nacelles mounted on the upper side of the primary hull with 40 km non-conducting support pylons. In the rear of the hull are the (MX-10-4-Z-X) ion exchange chamber and (AMB-52-4D) matter/antimatter storage tanks. The storage tanks are located below the impulse engines for emergency processing. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and powered on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Target Area 35487.40 m²



Top Silhouette
Area 8989.79 m²



Port Silhouette
Area 8888.79 m²



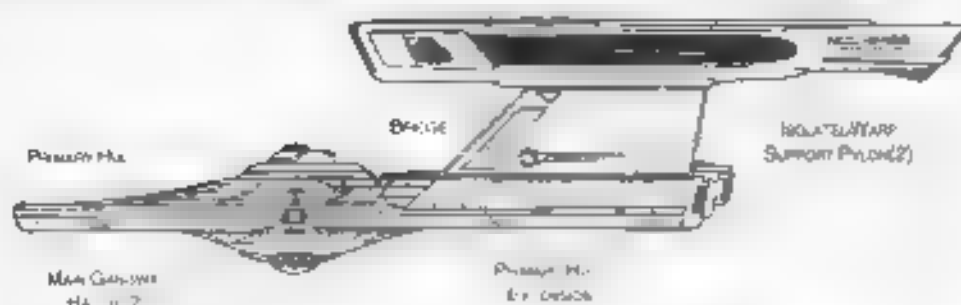
Front Silhouette
Area 3371.80 m²



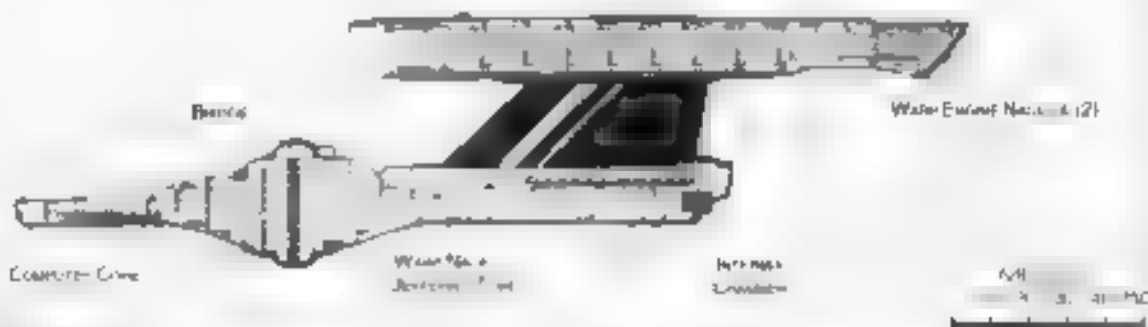
TIMESLIP CRUISER

EINSTEIN CLASS

Warp Engine Neckout (2)



PORT PROFILE



CROSS SECTION

Statistics

Classification: Einstein Class
Category: Transport Vessel
Class: Einstein
Type: Transport
Model: MK VII
Naval Construction Contract: 8498
Number Proposed: 5
Number Constructed: 5
Number in Service: 4
Number Lost: 1
Dimensions:
Overall Dimensions (Meters)
 Length: 210 m
 Width: 4.12m
 Height: 1.18m
Primary Hull Dimensions (Meters)
 Length: 145 m
 Width: 4.12m
 Height: 1.18m
Secondary Hull Dimensions (Meters)
 Length: N/A
 Width: N/A
 Height: N/A
Warp Unit Dimensions (Meters)
 Length: 54.8 m
 Width: 7.63m
 Height: 1.18m
Displacement (Metric Tons)
 Light: 56,109m
 Standard: 2,310,994
 Full Load: 234,348m
Performance:
 Impulse Drive: Dual Unit (ITHBEE-4 FS)
 Impulse Engine Output: 8x10 PW
 Impulse Power Index: 0.94
 Max Cruising: 1
 Acceleration Rate:
 0.00-0.25 Impulse: 0.713 sec
 0.25-0.50 Impulse: 0.319 sec
 0.50-0.75 Impulse: 0.425 sec
 0.75-Full Impulse: 0.532 sec
 Warp Units: 2 Nuclei Units (SE521-6EL)
 Warp Engines Output: 2x10 PW
 Warp Power Index: 0.94

Optimum Speed: Warp 1
Max Safe Cruising: Warp 1
Emergency Speed: Warp 1
Max Speed: Warp 1
Destructive Speed: Warp 0.42
Acceleration Power: 1
Acceleration Time:
 Warp 1: 1 sec
 Warp 2: 1 sec
 Warp 3: 1 sec
 Warp 4: 1 sec
 Warp 5: 1 sec
 Warp 6: 1 sec
 Warp 7: 1 sec
 Warp 8: 1 sec
 Warp 9: 1 sec
 Warp 10: 1 sec
 Warp 11: 1 sec
 Warp 12: 1 sec
 Warp 13: 1 sec
 Warp 14: 1 sec
 Warp 15: 1 sec
 Warp 16: 1 sec
 Warp 17: 1 sec
 Warp 18: 1 sec
 Warp 19: 1 sec
 Warp 20: 1 sec
Duration (Years)
 Standard: 4 years
 Maximum: 4 years
Ship Complement: 605
Officers:
 Crew (Emergency Grade): 487
 Troops: 1
 Passengers: 50
Emergency condition: +8.3
Medical Facilities:
 Doctors: 6
 Nurses: 12
 Operating Room: 1
 Beds: 6
Laboratory: 25
Transporters Total:
 1 Person
 2 Person: 0
 3 Person: 0
 4 Person: 0
 5 Person: 0
 6 Person: 0
 7 Person: 0
 8 Person: 0
 9 Person: 0
 10 Person: 0
 11 Person: 0
 12 Person: 0
 13 Person: 0
 14 Person: 0
 15 Person: 0
 16 Person: 0
 17 Person: 0
 18 Person: 0
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 85 Person: 0
 86 Person: 0
 87 Person: 0
 88 Person: 0
 89 Person: 0
 90 Person: 0
 91 Person: 0
 92 Person: 0
 93 Person: 0
 94 Person: 0
 95 Person: 0
 96 Person: 0
 97 Person: 0
 98 Person: 0
 99 Person: 0
 100 Person: 0

Bridge:
 Maximum: 77
Tractor Status:
 Two Capabilities: 2,200,000
 Max Range: 100 m
Charge Specifications:
 Standard: 4 go units and
 Cargo capacity: 100
Shuttlecraft Specifications:
 De-Bling Ports
 Small Bay: 2
 Medium Bay: 2
 Large Bay: 2
 Super Bay: 2
Shuttlecraft Standard: 24
 Work Deck: 1
 Travel Pods: 1
 Aquatic Shuttle: 2
 Light Shuttle: 3
 Standard Shuttle: 10
 Heavy Shuttle: 0
 Cargo Shuttle: 0
 Assault Shuttle: 0
 Elder Bay: 1
 Fighter: 1
 Lifeboats: 40
 Turbidity (0 person): 21
 Lifeboat (10 person): 22
 Lifeboat (20 person): 4
 Lifeboat (30 person): 1
Climbing Devices:
 Summer Index Value:
 Planetary Survey: 1,587
 Stellar Survey: 1,720
 Short Range: 0.8011
 Long Range: 0.998
 Navigation: 1,587
 Special: 2,430
Computers:
 Type: Quantum Database III
 Type: Quantum Database III

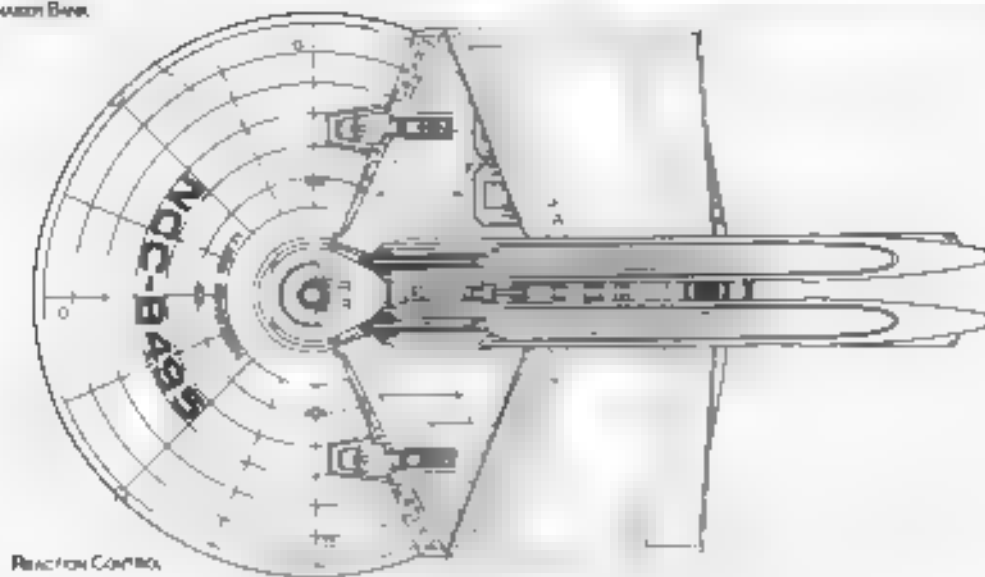
ECM Index: 1,587.4
Shield Rating:
 Shield Index: 0.8
 Melted Power: 3,300 mW
 Refresh Rate: 0.6, 10 mW
 Breakdown Rate: 10 mW
 Shield Dimensions (Meters)
 Length: 1.18m
 Width: 1.18m
 Height: 1.18m
Weapons:
 Phaser Power Index: 0.827
 Photon Power Index: 1
 Vessel Power Index: 0.3
 Weapon Placement:
 Beam (Phasers) Total: 4 banks 2 each
 Output: 100 mW
 Range: 1 m
 Rate of Fire: 100 rpm
 Forward Banks: 2
 Rear Banks: 0
 Port Banks: 2
 Starboard Banks: 2
 Upper Banks: 0
 Lower Banks: 0
 Beam (MegaPhasers) Total: 0
 Output: N/A
 Range: N/A
 Rate of Fire: N/A
 Forward/Rear Banks: 0
 Port/Starboard Banks: 0
 Upper/Lower Banks: 0
 Torpedoes (Photon) Total: N/A
 Stock: N/A
 Range: N/A
 Output: N/A
 Rate of Fire: N/A
 Forward Bay: 0
 Rear Bay: 0
 Port Bay: 0
 Starboard Bay: 0
 Upper Bay: 0
 Lower Bay: 0

TIMESLIP CRUISER

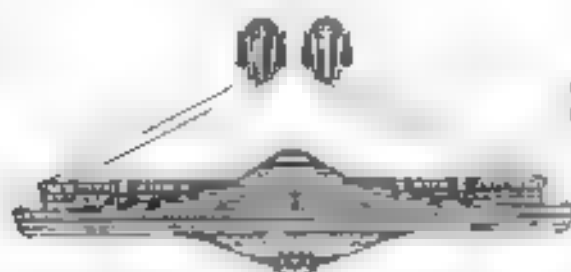


PHASER BANK

DEFLECTOR GUN

REACTION CONTROL
THRUSTERS

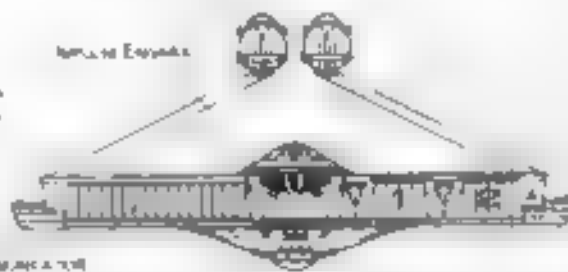
TOP PROFILE



FRONT PROFILE

WARP ENGINES

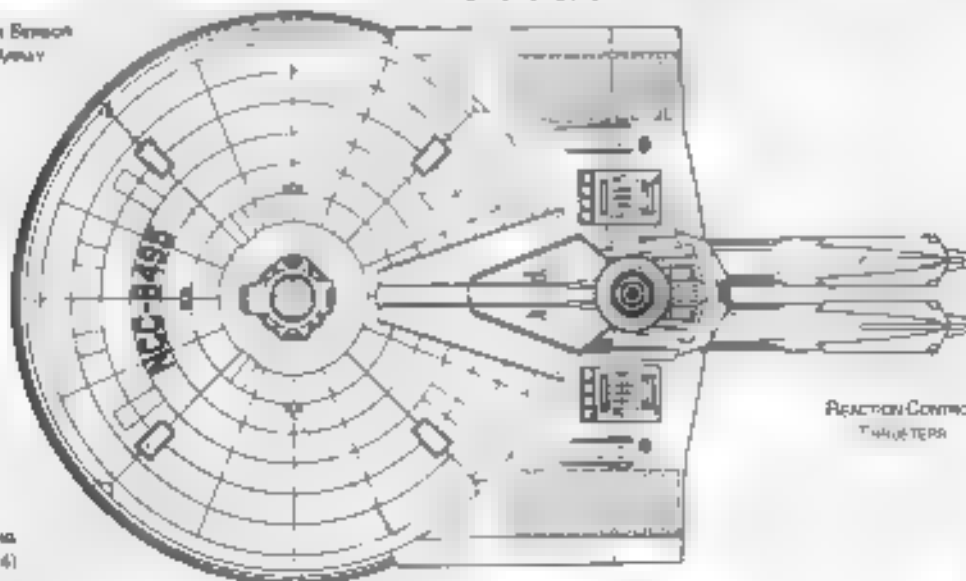
REACTOR CORE

LANDING BAY
DOORS

REAR PROFILE

LANDING BAY
DOORSMAIN SENSOR
ARRAY

NAVIGATION DECK

REACTION CONTROL
THRUSTERSLANDING
PODS (4)

BOTTOM PROFILE

PHASER BANK

METERS
0 20 30 40 50



TIMESLIP CRUISER

Ship Names

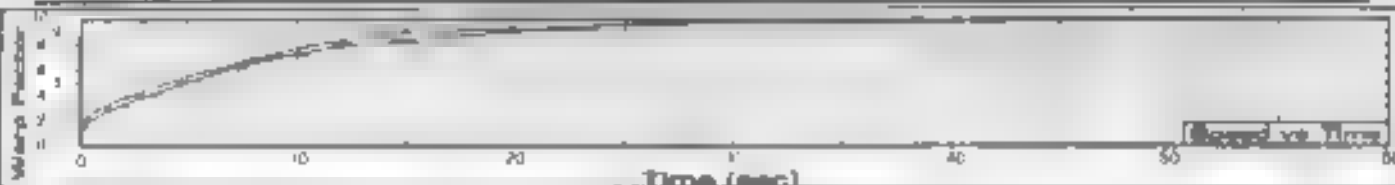
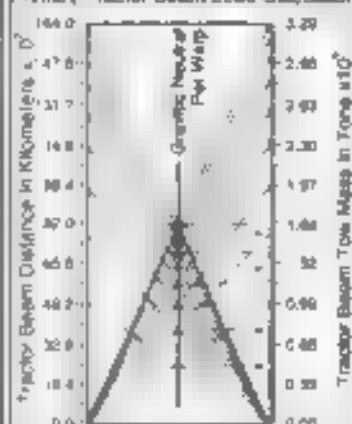
THE FOLLOWING SHIPS OF THE MK-VII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2275.2

EINS/EIN NCL 4499
GALLI NCL 3449
HARRING NCL 4499
JPLAKE NCL 4499
NEWTON NCL 4499

CLASS NAME, TIGHT IN THE LINE OF DUTY. PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."

Specifications

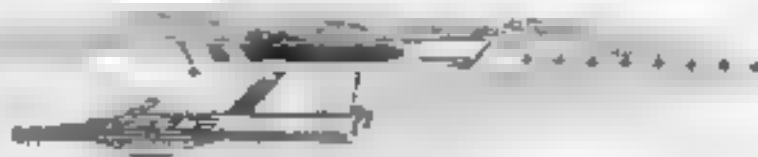
Primary Tractor Beam sized Calculator



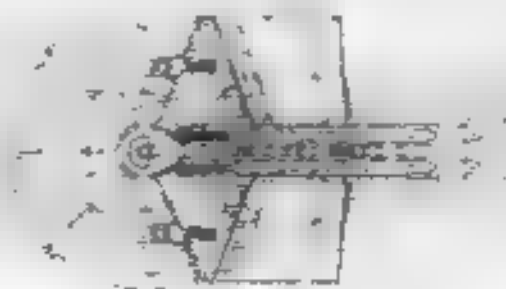
Field Length: 1000 m
Field Width: 1000 m
Field Height: 1000 m



Front Warp Field Profile
Cross Section Area 17983.84 m²



Port Warp Field Profile
Cross Section Area 27188.08 m²



Top Warp Field Profile
Cross Section Area 25808.18 m²

WARP FIELDS

SRM2 04:05:05:04

STARFLEET REFERENCE MANUAL

EINSTEIN CLASS

HYPERION VESSEL

HOSPITAL SHIP



General Information

Specific Role: The Hospital Ship is a mobile medical facility providing support and emergency medical care throughout the Federation. The ship is equipped with extensive laboratories and medical facilities for the on-site treatment of patients. As a cost-saving measure the ship is a modified Oberth Class research vessel upper section.

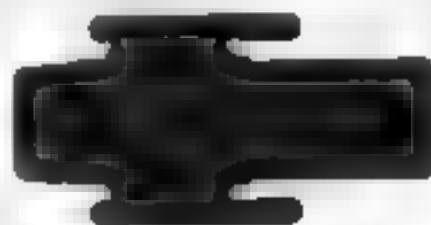
Physical Description: The (SR103/M E4) ship is equipped with additional research systems and laboratories. The vessel is equipped with a (SM 1.5) bridge which incorporates additional research instrumentation. On the lower part of the hull is the (SM 5.5) main sensor array and (DN2 3D) navigational dome. Positioned forward of the bridge is a (BP2 30 20) phaser bank. At the rear of the primary hull are (SL 16/1-ED) dual impulse engines which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SL 38 1 2A) warp nacelles attached to each side of the hull. Running horizontally between the nacelles is the (M20 1 2D) antimatter chamber installed in the rear of the hull. The (AM 1 5 2 1) matter-antimatter storage tanks for emergency jettisoning. On the front of the hull is a small cargo deck being underneath the primary hull by two (TR 10 50) cargo lifting devices is a (SR 10 2) secondary hull. The secondary hull is equipped with extensive medical facilities and a (SR 10 2) hanger deck. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Target Area: 18045.29 m²



Top Silhouette
Area: 10419.08 m²



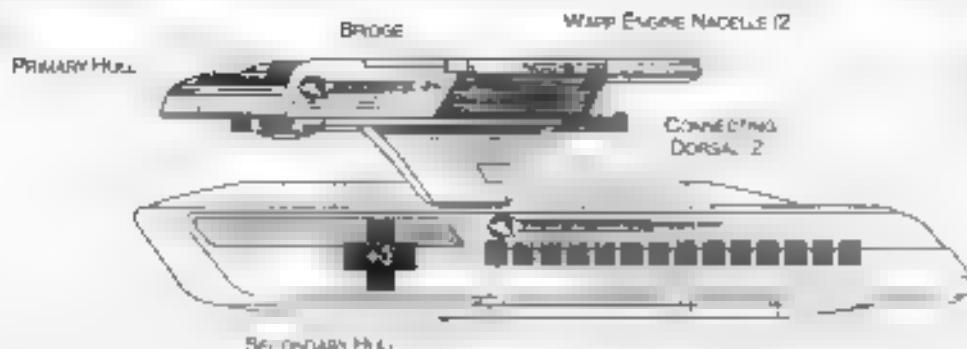
Front Silhouette
Area: 8815.84 m²



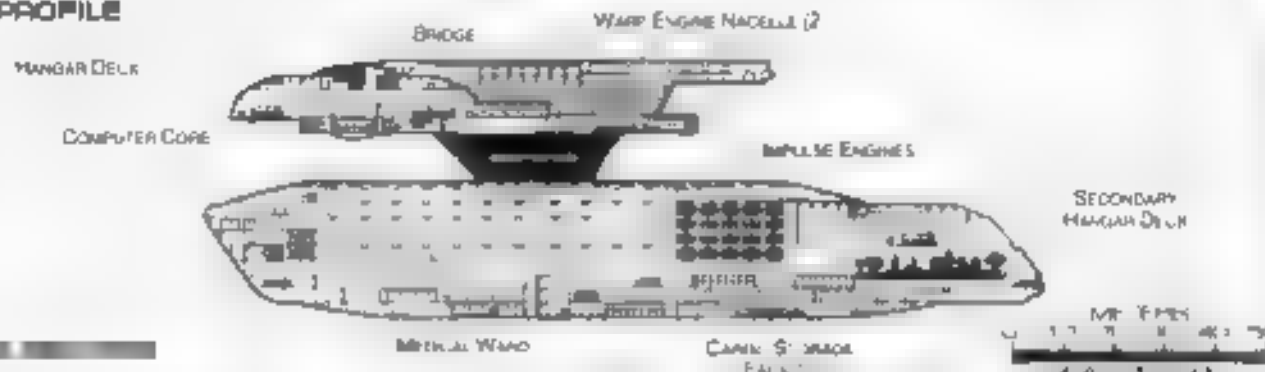


HOSPITAL SHIP

ANGUEIRA CLASS



PORT PROFILE



Statistics

Classification: Hospital Ship

Category: Medical Ship

Class: Angueira

Type: Ship

Model: MA VIII

Naval Construction Contract: 8100

Number Proposed: 9

Number Constructed: 47

Number in Service: 9

Number Lost: 8

Dimensions:

Overall Dimensions (Meters)

Length: 114.4 m

Width: 12.4 m

Height: 6 m

Primary Hull Dimensions (Meters)

Length: 42.4 m

Width: 40.0 m

Height: 22 m

Secondary Hull Dimensions (Meters)

Length: 55.2 m

Width: 41.4 m

Height: 18.2 m

Warp Unit Dimensions (Meters)

Length: 83.0 m

Width: 25 m

Height: 3.4 m

Displacement (Metric Tons)

Light: 42,754t

Standard: 45,829t

Full Load: 51,158t

Performance:

Impulse Units: Dual Unit (SR10E3-ED)

Impulse Engines Output: 8,019,917 W

Impulse Power Index: 4.3

Max Cruising C:

Acceleration Rate:

0.00-0.25 Impulse: 0.86 sec

0.25-0.50 Impulse: 0.278 sec

0.50-0.75 Impulse: 0.37 sec

0.75-Full Impulse: 0.464 sec

Warp Units: 2 nacelle units SU351-2A1

Warp Engines Output: 22x10⁶ W

Warp Power Index: 0.68

Optimum Speed: Warp 4

Max Safe Landing: Warp 5

Emergency Speed: Warp 7

Max Speed: Warp 8

Destructive Speed: Warp 8.98

Acceleration Power:

Acceleration Times:

Warp 1 Warp 2 14 sec

Warp 2 Warp 3 14 sec

Warp 3 Warp 4 4 sec

Warp 4 Warp 5 4 sec

Warp 5 Warp 6 4.59 sec

Warp 6 Warp 7 4.4 sec

Warp 7 Warp 8 4 sec

Warp 8 Warp 9 5.35 sec

Warp 9 Warp 10 892 sec

Warp 10 Warp 11 73 sec

Warp 11 Warp 12 28.584 sec

Duration (Years)

Standard: 4 years

Maximum: 27 years

B3B Ship Complement: 22

Officers:

Crew (Ensign Grade): 90

Troops: 4

Passengers: 2

Emergency condition: -200

Medical Facilities:

Doctors:

Nurses: 42

Operating Rooms: 10

Beds: 21

Labatories: 2

Transports: 4

1 Person: 1

2 Person: 1

3 Person: 2

12 Person: 0

21 Person: 1

Small Cargo: 1

Medium Cargo: 0

Large Cargo: 0

Super Cargo: 0

Bridge:

Estimation: 2

Incision Beam:

Two Agency: 1.5x10⁶ W

Max Range: 4 m (10m)

Cargo Specifications:

Standard Cargo Carts: 83

Cargo Capacity: 4 km

Structural Specifications:

Docking Ports:

Structural Bays Total: 2

Small Bay: 1

Medium Bay: 1

Large Bay: 0

Super Bay: 0

Max Inertial Standard: 10

Work Bay: 1

Travel Pod: 1

Apexic Shuttle:

Light Shuttle: 1

Standard Shuttle: 4

Medical Shuttle: 8

Heavy Shuttle: 2

Small Shuttle:

Medium Shuttle: 0

Lighter Ship: 0

Lighter: 0

Lifeboats: 15

Turbine (10 person): 10

Lifeboat (10 person): 1

Lifeboat (20 person): 1

Lifeboat (30 person): 0

Checking Devices: 0

Beam Index Value:

Planetary Survey: 0.8042

Star Survey: 0.7772

Short Range: 0.3004

Long Range: 0.5884

Navigation: 0.3755

Special: 0.3451

Compass: 1

Type: Optimum Outboard 14

Type: Optimum Outboard 118

ECM Index: 10

Shield Rating:

Shield Index: 2.77

Held Power: 87x 0.17 W

Shield Rate: 4.75x10⁶ W

Breakdown Rate: 5.73x 10⁶ W

Shield Dimensions (Meters)

Length: 10 m

Width: 10 m

Height: 10 m

Weapons:

Photon Power Index: 0.479

Photon Power Index: 0.00

Vessel Power Index: 0.440

Weapon Placement:

Beam (Photon) Total: 1 bank 2 each

Output: 5.1x 10⁶ W 2.0x10⁶ W

Range: 2.5x 10⁶ km

Rate of Fire: 30 ppm Cont

Forward Banks:

Rear Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 0

Lower Banks: 0

Beam (High/Photon) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: N/A

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

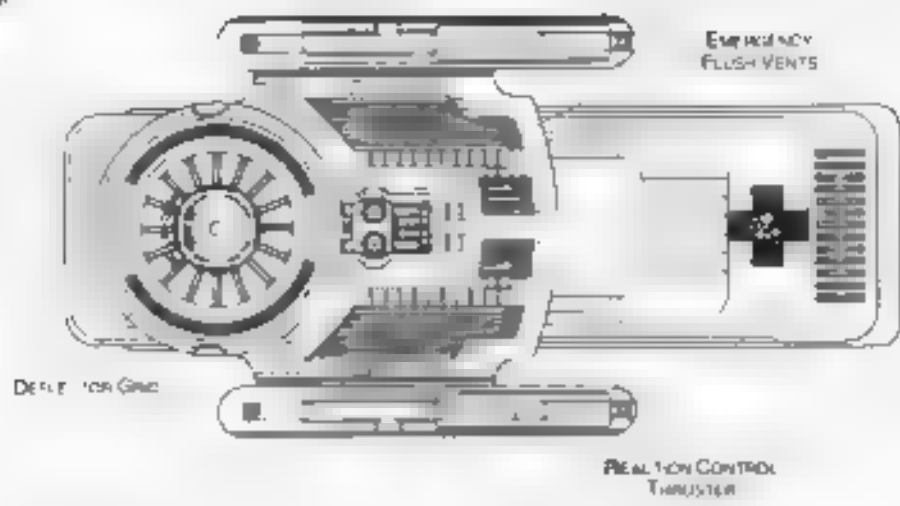
Lower Bay: 0

FEDERATION VESSEL

HOSPITAL SHIP

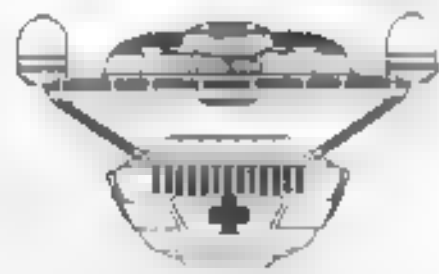


PHASER BANK



TOP PROFILE

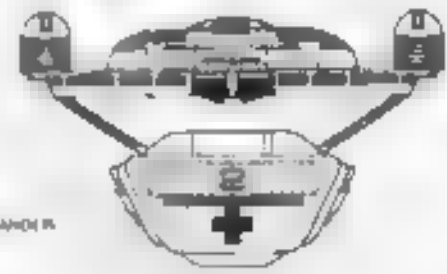
Handgun Decals



FRONT PROFILE

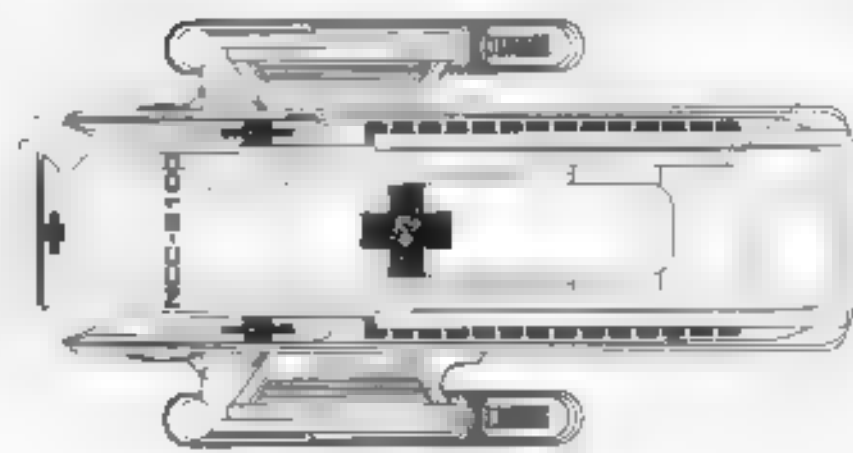
Warp 10 Engines

Secondary Main Drive



REAR PROFILE

SECONDARY HULL



BOTTOM PROFILE



MEDICAL FRIGATE



General Information

Specific Role: The Medical Frigate is a mobile medical facility providing support and emergency medical care throughout the Federation. The frigate is equipped with extensive laboratories and medical facilities for on-site treatment of patients.

Physical Description: The extended P4E234 M F2 primary hull is outfitted with extensive medical facilities and the (BS9 M F6) bridge incorporates a larger tracking and surveillance station. On the lower part of the primary hull is the SM49-3V main sensor array and (DN4-3 F) navigational dome. Located on the port/starboard and bow of the primary hull both top and bottom are six (P12-30-2C) phaser banks. Port and starboard on the upper primary hull forward of the raised extension are the (DN2/1-4-2) navigational deflectors used to assist the navigational shields in deflecting oncoming debris. Two medical hangar decks are installed, one on either side of the impulse engines. In the rear of the mid extension to the rear of the primary hull are (P186E-5 QD) dual impulse units which are used for auxiliary power and sub-warp propulsion. The frigate's warp fields are generated by two SW32-5KV warp nacelles attached to the underside of the primary hull by (DL-25-6S) support pylons. Inside the primary hull are the M28-4-411 intermix chamber and (AMB-16-4F) matter/antimatter storage tanks. The storage tanks are located below the impulse engines for emergency jettisoning. In the event of an emergency, the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Target Area 39924.84 m²



Top Silhouette
Area 81218.52 m²



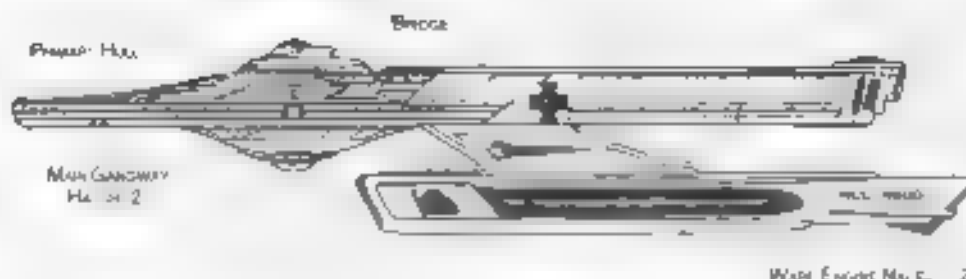
Port Silhouette
Area 9817.00 m²



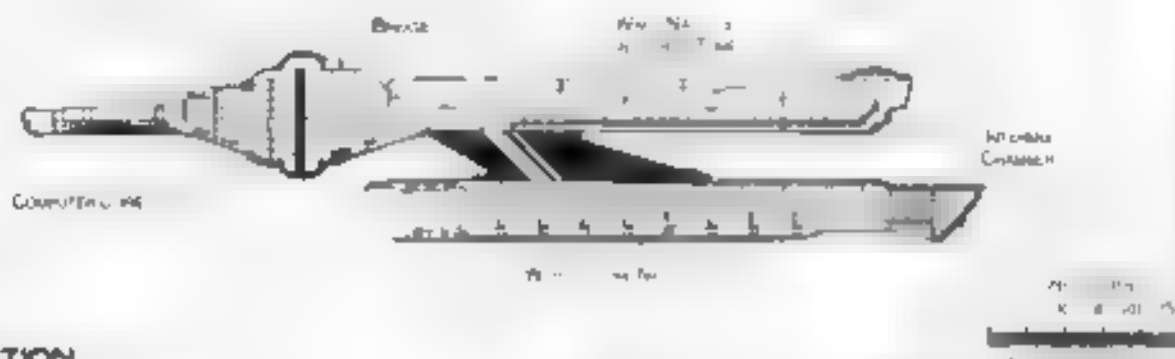
Front Silhouette
Area 2999.32 m²



MEDICAL FRIGATE



PORT PROFILE



CROSS SECTION

Statistics

Classification: Medical Frigate
Category: Medical Ship
Class: 4th Fleet
Type: 1st Fleet
Model: MK III
Naval Construction Contract: 4800
Number Proposed: 14
Number Constructed: 74
Number in Service: 72
Number Lost: 2
Dimensions:
 Overall Dimensions (Meters)
 Length: 241.8m
 Width: 41.2m
 Height: 48.5m
 Primary Hull Dimensions (Meters)
 Length: 222.5m
 Width: 41.2m
 Height: 10.9m
 Secondary Hull Dimensions (Meters)
 Length: N/A
 Width: N/A
 Height: N/A
 Tertiary Hull Dimensions (Meters)
 Length: 54.8m
 Width: 2.53m
 Height: 0.32m
Displacement (Metric Tons)
 Light: 206,240t
 Standard: 220,838t
 Full Load: 240,526t
Performance:
 Impulse Units: Dual UJA 1P/BRE/5-DO
 Impulse Engine Output: 7.3x 10¹⁵ W
 Impulse Power Index: 0.69
 Max Cruising C
 Acceleration Rate:
 0.00-0.25 Impulse: 0.224 sec
 0.25-0.50 Impulse: 0.335 sec
 0.50-0.75 Impulse: 0.447 sec
 0.75-Full Impulse: 0.558 sec
 Warp Units: 2 Nuclei UJA 1SW/21 SKY
 Warp Engine Output: 2x10¹⁵ W
 Warp Power Index: 0.69

Optimum Speed: Warp 4
Max Safe Cruising: Warp 4.5
Emergency Speed: Warp 5.5
Max Speed: Warp 6
Destructive Speed: Warp 12.5
Acceleration Power: 1
Acceleration Time:
 Warp 1 Warp 2 12.4 sec
 Warp 2 Warp 3 12.4 sec
 Warp 3 Warp 4 12.4 sec
 Warp 4 Warp 5 12.4 sec
 Warp 5 Warp 6 12.4 sec
 Warp 6 Warp 7 12.4 sec
 Warp 7 Warp 8 12.4 sec
 Warp 8 Warp 9 12.4 sec
 Warp 9 Warp 10 12.4 sec
 Warp 10 Warp 11 12.4 sec
 Warp 11 Warp 12 12.4 sec
 Warp 12 Warp 13 12.4 sec
 Warp 13 Warp 14 12.4 sec
Duration (Years)
 Standard: 100
 Maximum: 21.444
Off-Battle Complement: 655
Officers: 7
Crew (Ensign Grade): 547
Troops:
 Phasers: 16
 Emergency conditions: -578
Medical Facilities:
 Doctors: 16
 Nurses: 24
 Operating Rooms: 4
 Beds: 77
Lab Facilities: 1
Transporter Total: 2
 1 Person:
 3 Person:
 8 Person:
 12 Person:
 21 Person:
 Small Cargo:
 Medium Cargo:
 Large Cargo:
 Super Cargo:

Bridge:
Replicators:
Reaction Beam:
 Two Spockly 10.5 ft
 Max Range: 10 ft
Cargo Sp. Location:
 Standard Cargo Deck 10
 Cargo Capacity: 10
Shelving Sp. Specifications:
 Decking Ports
 Shelving Deck Total: 7
 Small Bay
 Medium Bay
 Large Bay
 Super Bay
 Shelving Deck Standard: 10
 Work Deck
 Travel Pods
 Assault Shuttle: 1
 Light Shuttle
 Standard Shuttle: 1
 Medical Shuttle: 1
 Heavy Shuttle
 Cargo Shuttle
 Assault Shuttle: 1
 Killer Drone
 Fighter
Lifeboats:
 Turbidity (6 persons): 7
 Lifeboat (10 persons): 26
 Lifeboat (20 persons): 10
 Lifeboat (30 persons): 10
Cloaking Devices:
Reactive Laser Talons:
 Planetary Survey: 1000
 Stellar Survey: 1000
 Short Range: 1000
 Long Range: 1000
 Navigation: 1000
 Special: 1000
Communications:
 Type: 1000
 Type: 1000

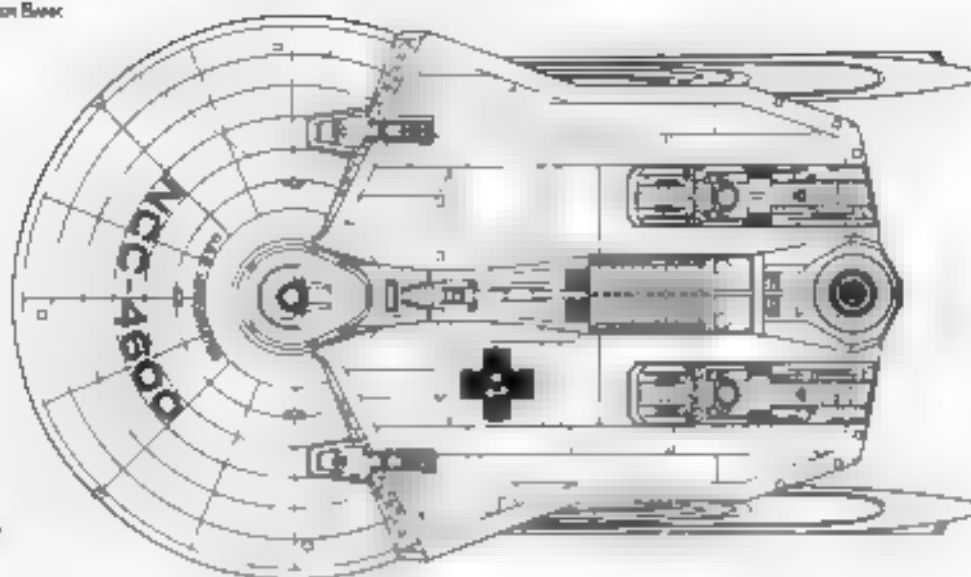
Shield Index: 1.54
Shield Rating:
 Shield Index: 0.48
 Shield Power: 74x 10¹⁵ W
 Shield Rate: 49x 10¹⁵ W
 Shield Rate: 49x 10¹⁵ W
 Shield (Meters):
 Length: 44.0 m
 Width: 7.1 m
 Height: 6.1 m
Weapons:
 Phaser Power Index: 0.69
 Photon Power Index: 0.00
 Vessel Power Index: 0.30
Weapon Placement:
 Beam (Phasers) Total: 18 Banks 2 each
 Output: 4x 10¹⁵ W 2.5x 10¹⁵ W
 Range: 10.0 km
 Rate of Fire: 1000+ Com
 Forward Banks: 2
 Starboard Banks: 2
 Port Banks: 2
 Starboard Banks: 2
 Upper Banks: 2
 Lower Banks: 0
 Beam (Megaphasers) Total: 0
 Output: N/A
 Range: N/A
 Rate of Fire: N/A
 Forward/Starboard Banks: 0
 Port/Starboard Banks: 0
 Upper/Lower Banks: 0
 Torpedoes (Photons) Total: N/A
 Stock: N/A
 Range: N/A
 Output: N/A
 Rate of Fire: N/A
 Forward Bay: 0
 Rear Bay: 0
 Port Bay: 0
 Starboard Bay: 0
 Upper Bay: 0
 Lower Bay: 0

MEDICAL FRIGATE



PULSER BARRIS

DEFLECTOR GRID

REACTION CONTROL
THRUSTERS

TOP PROFILE

NAVIGATION DEFLECTOR



FRONT PROFILE

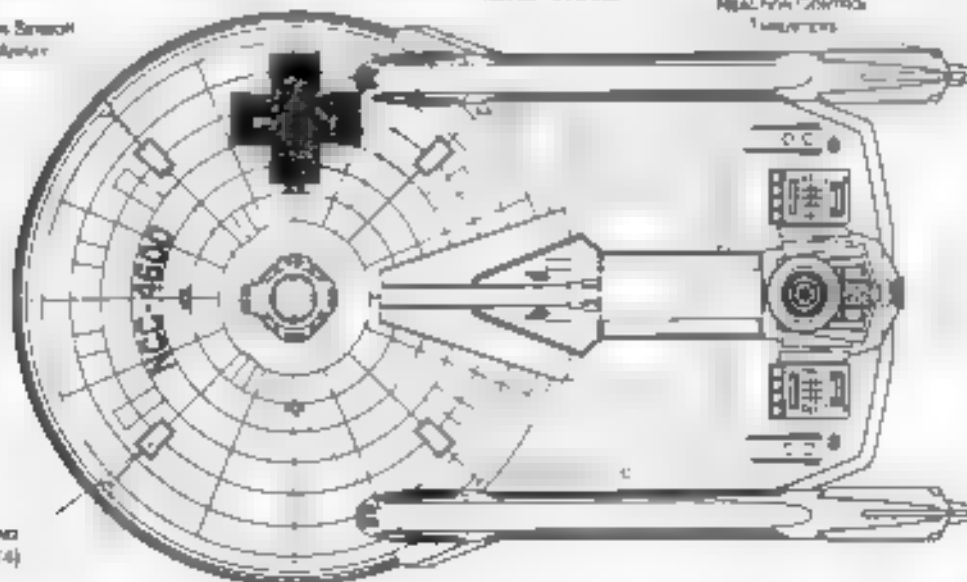
REAR DEFLECTOR

PROXIMITY DETECTING
RINGSLANDING BAY
DOORS

REAR PROFILE

MAIN SENSOR
ARRAY

NAVIGATION DOME

REACTION CONTROL
THRUSTERSLANDING
BAY (4)

PULSER BARRIS

BOTTOM PROFILE

METERS
0 10 20 30 40 50

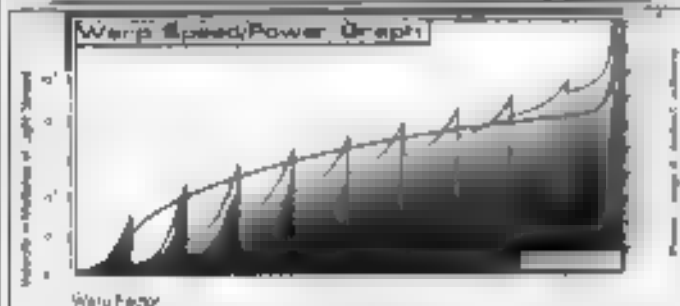


Ship Names

Tractor Beam

[illegible]

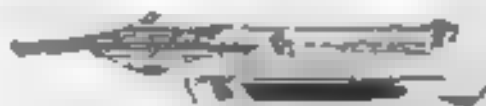
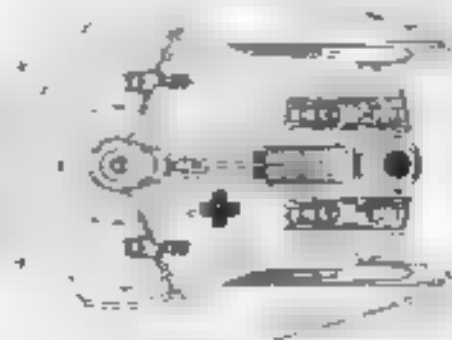
~~CLASSIFIED "LOST IN THE LINE OF DUTY" THROUGH ALL NAME PREFIXED WITH "M.A.S."~~



Paper Length: 28.1 cm
 Paper Width: 23.0 cm
 Paper Weight: 100 g/m²



Front Warp Field Profile
Cross Section Area: 1294.68 in²

Port Warp Field Profile
Cross Section Area 285000 m²

Top Warp Field Profile
Cross Section Area 20873.04 m²

WARP FIELDS

SAM2 04:06:02:04

STARFLEET REFERENCE MANUAL

HILPODCHAI ET AL.

TECHNICAL WEBSITE

MEDICAL CONTAINER



Statistics

Classification: Medical Container

Category: Container

Type: Class 7

Model: MK-XII

Dimensions:

Overall Dimensions (Meters)

Length: 235.05m

Width: 48.00m

Height: 48.00m

Displacement (Metric Tons)

Standard: 115,938m

Full Load: 342,814m

Duration (Years)

Standard: 15 Years

Maximum: 20 Years

Std. Container Complement: 550

Officers: 100

Crew (Knaiga Grade): 450

Passengers: 1000

Emergency condition: +1000

Medical Facilities:

Doctors: 100

Nurses: 500

Operating Rooms: 80

Beds: 3000

Transporters Total: 18

1 Person: 0

2 Person: 0

4 Person: 8

12 Person: 0

22 Person: 4

Small Cargo: 4

Medium Cargo: 0

Large Cargo: 0

Super Cargo: 0

Mega Cargo: 0

Tractor Beams: 0

Tow Capacity: N/A

Max. Range: N/A

Cargo Specifications:

Standard Cargo Units: 187

Cargo Capacity: 9,360m

Deck Height: 2.4m

Shuttlecraft Specifications:

Shuttlecraft Bays Total: 12

Small Bay: 12

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 15

Work Bees: 0

Travel Pods: 0

Light Shuttle: 6

Aquatic Shuttle: 0

Shuttle Standard: 6

Heavy Shuttle: 0

Medical Shuttle: 10

Heavy Fighter: 0

Lifboats: 35

Turbolift (8 person): 15

Lifboat (10 person): 0

Lifboat (20 person): 0

Lifboat (30 person): 20

Docking Rings: 2

Sensor Unit Values:

Planetary Survey: 0.020

Short Range: 0.020

Long Range: 0.020

Navigation: 0.020

Spectral: 0.020

Computers: 1

Type: Daystrom Quotonic III

Shield Rating:

Holdoff Power: 3.24×10^8

Refresh Rate: 9.21×10^7

Shield Dimensions (Meters)

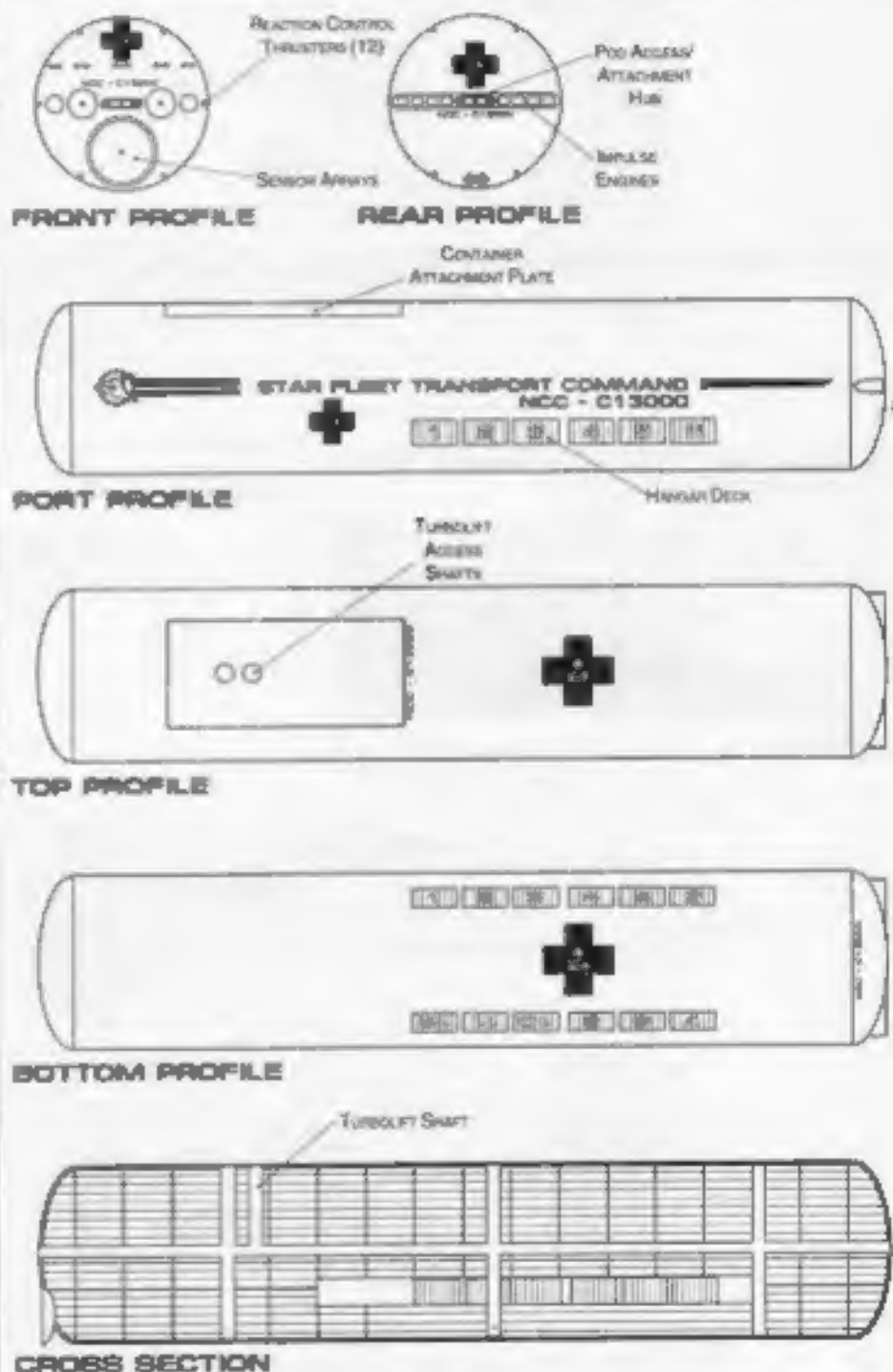
Length: 282.01m

Width: 57.6m

Height: 57.6m

General Information

The Medical Container is a independent mobile medical facility providing support and emergency medical care throughout the Federation. The container is also equipped with a twelve-bay hangar deck used for patient transfer.



METERS
0 10 20 30 40 50
SCALE 1:2000



STATION CONTAINER

General Information

The Station Container is a hub for the attachment of various containers. The container is equipped with extensive support equipment and auxiliary power. The container is also equipped with a six-bay hangar deck used for auxiliary hangar space.



FRONT PROFILE

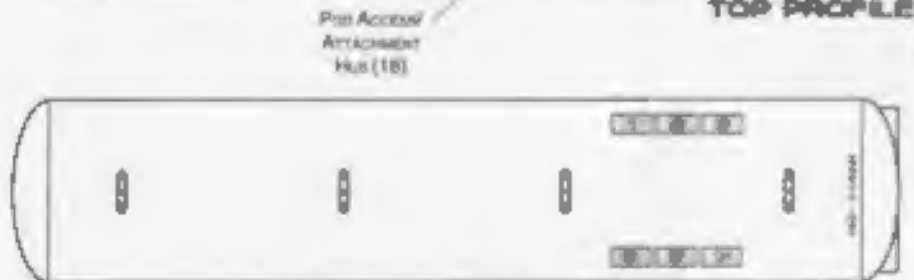
REAR PROFILE



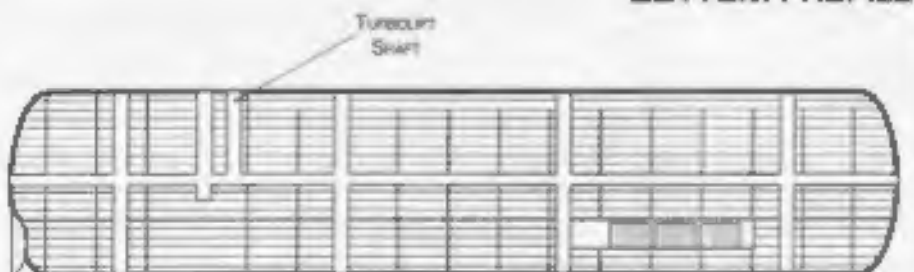
PORT PROFILE



TOP PROFILE



BOTTOM PROFILE



CROSS SECTION

METERS
0 10 20 30 40 50
SCALE 1:2000



CONTAINER SETUP

Statistics

Classification: Station Container
Category: Container
Type: Class 7
Model: MK-XIV
Dimensions:
Overall Dimensions (Meters):
Length: 235.05m
Width: 48.00m
Height: 48.00m
Displacement (Metric Tons)
Standard: 116,914mt
Full Load: 348,742mt
Duration (Years)
Standard: 15 Years
Maximum: 20 Years
Std. Container Complement: 150
Officers: 26
Crew (Klingon Grade): 130
Passengers: 200
Emergency condition: +200
Medical Facilities:
Doctors: 4
Nurses: 20
Operating Rooms: 3
Beds: 20
Transporters Total: 24
1 Person: 0
2 Person: 0
6 Person: 0
12 Person: 0
22 Person: 0
Small Cargo: 4
Medium Cargo: 4
Large Cargo: 0
Super Cargo: 0
Mega Cargo: 0
Tractor Beams: 1
Tow Capacity: 4.67×10^9 mt
Max Range: 1.03×10^9 km
Cargo Specifications:
Standard Cargo Units: 187
Cargo Capacity: 9,350mt
Deck Height: 2.4m
Shuttlecraft Specifications:
Shuttlecraft Bays Total: 0
Small Bay: 6
Medium Bay: 0
Large Bay: 0
Super Bay: 0
Shuttlecraft Standard: 31
Work Bees: 4
Travel Pods: 4
Light Shuttle: 4
Aquatic Shuttle: 2
Shuttle Standard: 8
Heavy Shuttle: 3
Medical Shuttle: 2
Cargo Shuttle: 4
Lifeboats: 50
Turbolift (8 person): 20
Lifeboat (10 person): 5
Lifeboat (20 person): 5
Lifeboat (30 person): 20
Docking Rings: 2
Sensor Input Values:
Planetary Survey: 0.020
Short Range: 0.020
Long Range: 0.020
Navigation: 0.020
Special: 0.020
Computers: 1
Type: Daystrom Duobronic for
Shield Rating:
Weldoff Power: 3.24×10^8
Refresh Rate: 9.21×10^7
Shield Dimensions (Meters)
Length: 282.01m
Width: 57.6m
Height: 57.6m

DELIVERANCE CLASS

FEDERATION CONTAINER

CLOSING



Closing Information

Closing

First off I would like to express my thanks to you for purchasing this book. I have tried to give the most information that I can for each ship without reducing the number of ships described. This in turn has lead to small print. I hope that this is not an inconvenience to anyone and if it is, I would like to express my deepest apology.

Stardate Errata

In place of the stardates, I have used the actual YEAR.MONTH due to the fact that I can not get an accurate stardate, as every group has a stardate system that while close do not all match (Some systems differ by as much as 50 years). To achieve the stardate you need just use the date given and apply it to the stardate system you are acquainted with.

Warspeed Errata

I have had a number of people inquire as to why I have used the new warp curve system on older ships. The thing to understand here is that this curve also fits the older ships and is simply a conversion; when I get around to drawing the new ships the statistics will match and a ship to ship comparison can be made. A conversion chart has been included at the beginning of the ship section so that you can convert back to the old warp numbers.

Dimension Corrections

Due to a corrupted computer program many of the dimensions in my second book were off by 4.3% to 5.7%. This has been fixed in this book and in the reprints of SRM Vol. 1. I'm sorry for the error but the book was already printed before the error was noticed.

Acknowledgements

I would like to acknowledge the many people, places, movies, magazines and reference materials that I have use to get the most accurate information for my work.

I would like to thank the following magazines: Starlog, Future, Fantastic Films, Challenge, Stardate, Cinefix, Science Fiction Modeling, Fine Scale Modeler, Galactic Engineers Concordance and Digest Group for all the photos and excellent articles and insight that these magazines have given me in my research.

I would also like to thank all the people who were involved in the original stories and artwork creations. By looking at their models, photos, sketches and story lines I was able to draw additional craft that I hope still retained much of the flavor of the original story. I am sorry that I am not able to list their names, but in many instances I have no idea who these individuals are.

Special thanks to my wife RoseAnna for her help with the naming of ships in this book and for her putting up with my crazy work hours to finish it, thanks honey again.

And special thanks to Joshua and Michael Babunovic for their suggestions that I have used in this book.

Thanks going to Sid Deavours and his side-kick Steve Woodard at Star Books and Comics for giving me a supply for my Sci-Fi fix. I would like to thank Alex Rosenzweig for his help in the NCC numbering by sending me a copy of his ship database which saved me a large amount of time.

I would also like to make note of Roy Firestone for his publication Galactic Engineers Concordance which is a non profit Techline that he publishes which is made up of contributions from his readers. Various articles that have been included have helped in my train of thought for creating my starship designs. Thanks to Roy and the contributors of GEC.

I would like to thank Paul Hollingsworth for his suggestions and proofing that helped me catch two very stupid errors that might have slipped through if he had not spotted them.

Special thanks go out to Chris Hatfield, and Bill Howe for spending nights and nights and nights helping to flesh out the text (going blind as Chris puts it) giving the ships more life.

I would like to give special thanks Don Shanks and Magoe Kristiansen for their proof reading and editing of my text and drawings.

And finally, Tiny I'm still not worthy.

Jackill's Engineers

Chris Hatfield (C1), Dr. Eugenio Anguerra III (E3), Mark Wilson (E2-3), Shane Johnson (E2), Roger Sorensen (E1:2), Michael Alexander (E1), Scott Bell (E1+), Don Corson (E1), Cliff Maxwell (E1), Alex Rosenzweig (E1), Thomas Sasser (E1), Don Shanks (E1).

Thanks for the contributions

I would like to thank Dr. Eugenio Anguerra III for the drawings he sent me that led to the Through Deck Cruiser, Escort Cruiser and Timeship Cruiser and for suggestions that he made to help make this book more professional.

I would also like to thank Cliff Maxwell for the drawings he sent that with just a few modifications became the Strike Cruiser.

And finally I would like to thank Don Corson, who I had to track down to get his permission to use his Survey Cruiser that has appeared in various publications and I felt should be included in this one. Don's only request is that I change nothing of his original design. If I have, this was done in error. The only change that has been made are the warp speeds, please note that the creator feels that the cruiser has a cruising speed of warp 8 and an emergency speed of warp 12, these were the only changes made to have the ship fit the rest of the book.

What it took for this book

I want to include a little information on what it took to produce this book. My first book was Jackill's Guide to Light Attack Craft (Volume 1) which was produced using MacDraw II.

For my second and third book I switched to Canvas 3. While having its own drawbacks, Canvas has so much more power that I am able to produce a more professional product. Additional programs that I have used are WingZ (spreadsheet program used to calculate the ship statistics and warp speed conversions); Cricket Graph, Delta Graph Pro (graphing programs to produce the graphs); MacWrite Pro (word processing program used to write the text); and a few other programs that have helped in small ways but are too numerous to list.

This book took up over 46.5 Meg (my first book was around 6 Meg and my second around 32 Meg) with each individual file taking up over 1 Meg each. The book contains 27,993 words (which works out to 134,373 characters, just in case you wanted to know) and 252,533 drawing elements (lines, circles, squares, etc.). The largest file is the WorkBee section that is over 8 meg, the second is the Communication Station that is over 3 meg (and made up of over 9000 triangles, what a pain to draw, which was required to produce the most accurate drawing). I hope you enjoy the improved printing quality of this book. It's printed at 600dpi as compared to the last that was printed at 300dpi.

Gripe

To anyone out there who is stupid enough to create and knowingly pass on computer viruses, you came very close to hurting yourself. If I wasn't an avid believer in backups, I could have lost a large section of this book due to corrupted files. So if you think viruses can only hurt other people, *think again*.

Warnings & Disclaimers

HANDLE WITH EXTREME CARE: This book contains minute electrically charged particles moving at velocities in excess of five hundred million miles per hour.

COMPONENT EQUIVALENCY NOTICE: The subatomic particles (electrons, protons, etc.) comprising this book are exactly the same in every measurable respect as those used in other books, and no claim to the contrary may legitimately be expressed or implied.

IMPORTANT NOTICE: The entire physical universe, including this book, may one day collapse back into a infinitesimally small space. Should another universe subsequently re-emerge, the existence of this book in that universe cannot be guaranteed.

NOTE: Any reference to any lifeform living, dead or hallucinatory is purely coincidental.

Jackill's
STAR FLEET REFERENCE MANUAL
Ships of the Fleet
Volume II



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